

RSA[®]Conference2019

San Francisco | March 4–8 | Moscone Center

PROGRAM GUIDE



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#RSAC     

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AGENDA AT-A-GLANCE

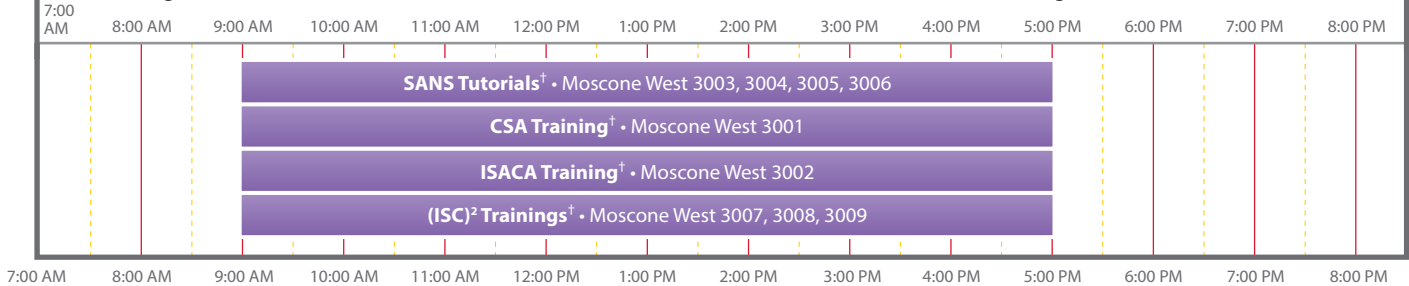
SATURDAY, MARCH 2

Registration: 2:00 PM – 6:00 PM

SUNDAY, MARCH 3

Registration: 7:30 AM – 5:00 PM

Housing Desk: 2:00 PM – 6:00 PM

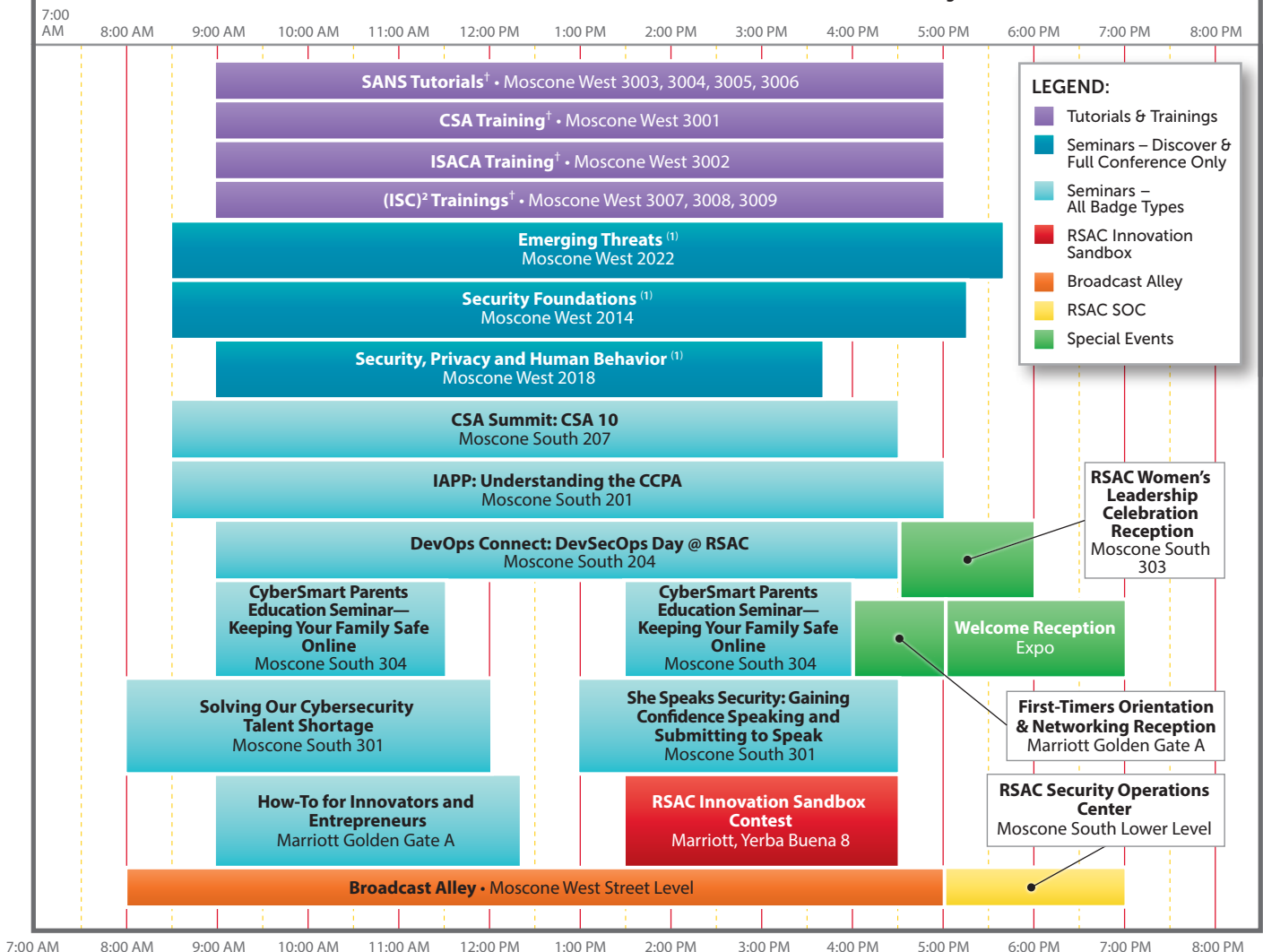


MONDAY, MARCH 4

Registration: 7:00 AM – 7:00 PM

Bookstore: 8:00 AM – 7:00 PM

Housing Desk: 8:00 AM – 6:00 PM



LEGEND:

- Tutorials & Trainings
- Seminars – Discover & Full Conference Only
- Seminars – All Badge Types
- RSAC Innovation Sandbox
- Broadcast Alley
- RSAC SOC
- Special Events

RSAC Women's Leadership Celebration Reception
Moscone South 303

Welcome Reception Expo

First-Timers Orientation & Networking Reception
Marriott Golden Gate A

RSAC Security Operations Center
Moscone South Lower Level

For room locations see maps on pages 8–11.

[†] SANS Tutorials and CSA, ISACA and (ISC)² Trainings are offered for an additional fee.

⁽¹⁾ Open to Full Conference and Discover Pass holders only.

Sessions and speakers are subject to change; please visit www.rsaconference.com/us2019 for the most up-to-date information.

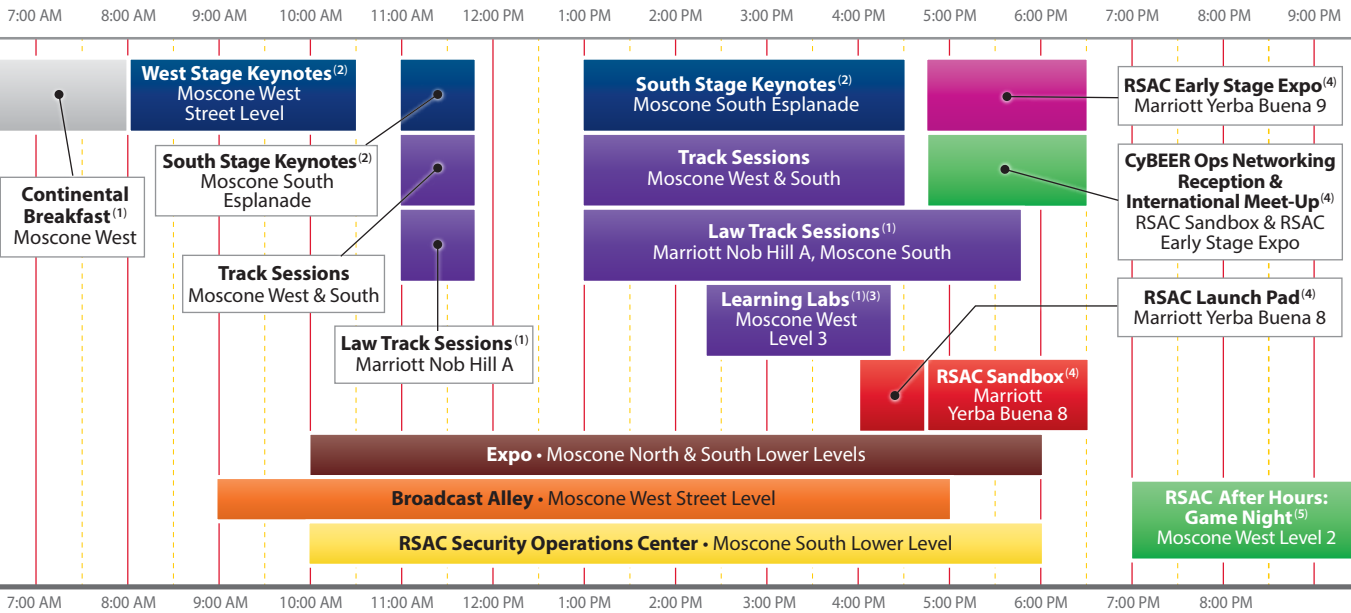
AGENDA AT-A-GLANCE

TUESDAY, MARCH 5

Registration: 6:30 AM – 6:00 PM

Bookstore: 9:00 AM – 6:00 PM

Housing Desk: 8:00 AM – 5:00 PM

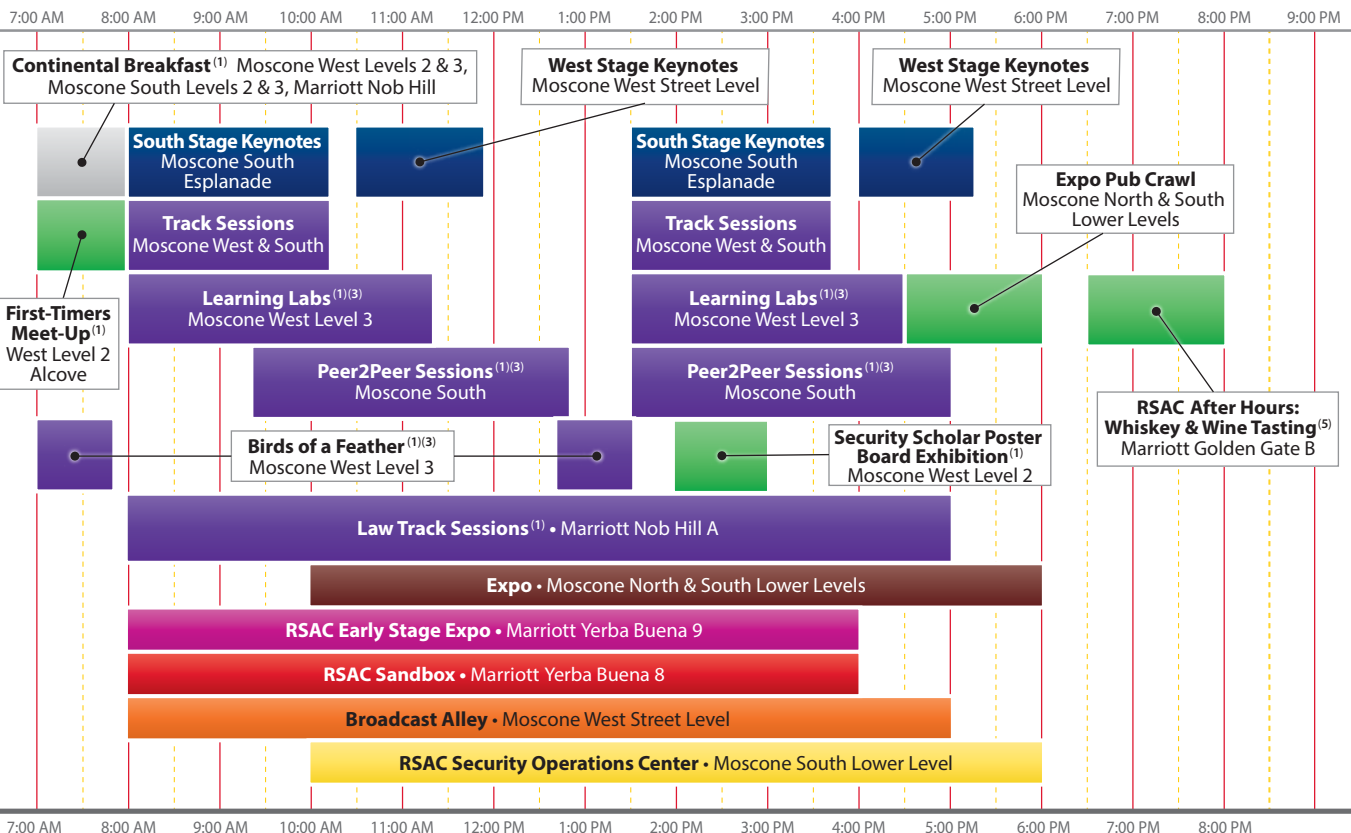


WEDNESDAY, MARCH 6

Registration: 6:30 AM – 6:00 PM

Bookstore: 8:00 AM – 6:00 PM

Housing Desk: 8:00 AM – 4:00 PM

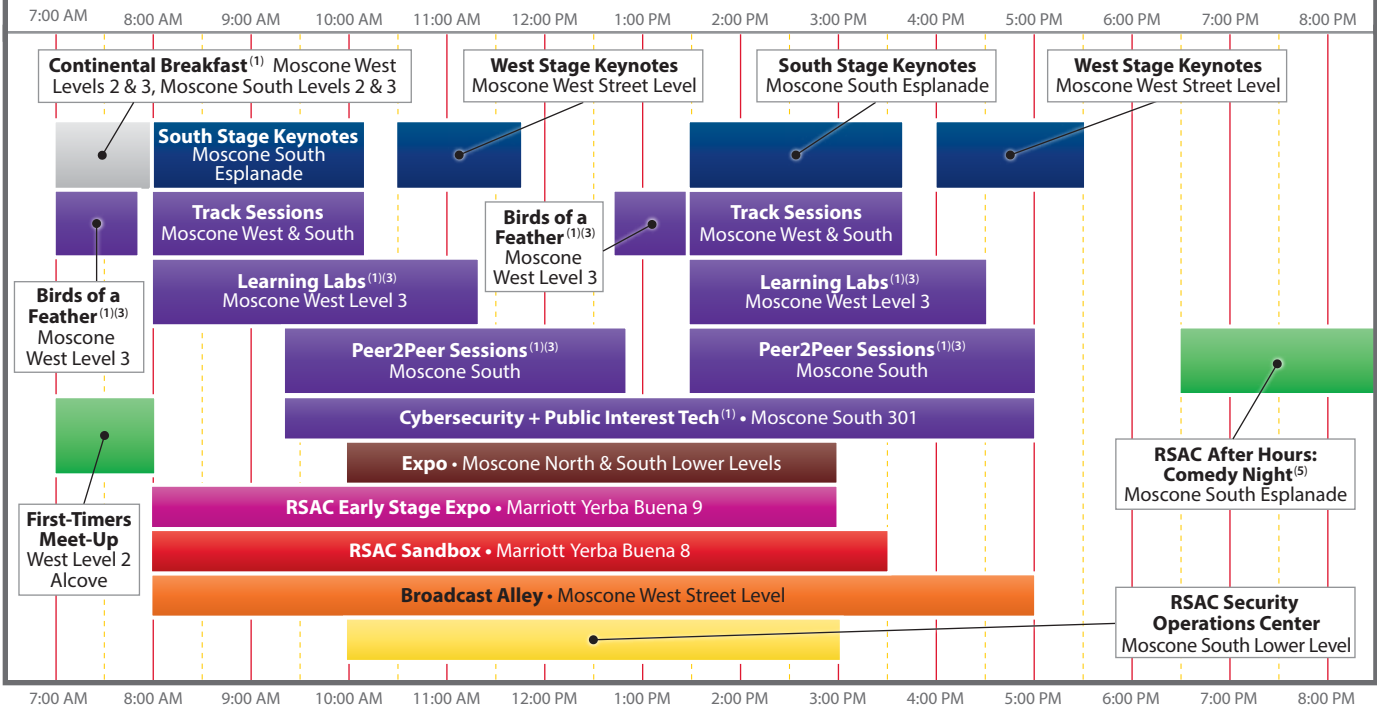


AGENDA AT-A-GLANCE

THURSDAY, MARCH 7

Registration: 6:30 AM – 5:30 PM

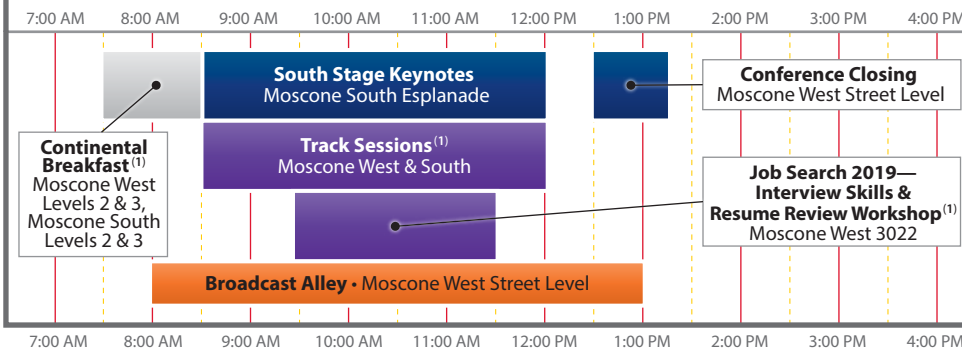
Bookstore: 8:00 AM – 4:00 PM



FRIDAY, MARCH 8

Registration: 7:30 AM – 1:30 PM

Bookstore: 8:00 AM – 12:00 PM



INFO DESK HOURS

Day	Location	Hours
Sunday	South Street Level	7:30 AM – 5:00 PM
	West Street Level	7:30 AM – 5:00 PM
Monday	North Lower Level	4:30 PM – 7:00 PM
	South Street Level	7:00 AM – 7:00 PM
	West Street Level	7:00 AM – 6:00 PM
	North Expo, South Expo	5:00 PM – 7:00 PM
Tuesday	Marriott Marquis	7:30 AM – 5:00 PM
	North Lower Level	9:30 AM – 6:00 PM
Wednesday	South Street Level	8:00 AM – 4:15 PM
	West Street Level	6:30 AM – 7:00 PM
	North Expo, South Expo	10:00 AM – 6:00 PM
	Marriott Marquis	10:30 AM – 6:00 PM
Thursday	North Lower Level	9:30 AM – 3:00 PM
	South Street Level	7:30 AM – 4:00 PM
	West Street Level	6:30 AM – 6:00 PM
	North Expo, South Expo	10:00 AM – 3:00 PM
	Marriott Marquis	7:30 AM – 6:00 PM
Friday	South Street Level	8:30 AM – 12:30 PM
	West Street Level	8:00 AM – 2:00 PM

LEGEND:

- Keynotes
- Sessions
- Expo
- RSAC Early Stage Expo
- RSAC Sandbox
- Broadcast Alley
- RSAC SOC
- Special Events

Notes:

- (1) Open to Full Conference Pass holders only.
- (2) Open to Full Conference and Discover Pass holders only.
- (3) Limited seating. No press permitted in Peer2Peer sessions, Birds of a Feather sessions and Learning Labs.
- (4) Open to Full Conference Pass holders, Tuesday One-Day Full Conference Pass holders, Press and CyBEER Ops ticket holders only.
- (5) Open to Full Conference and Discover Pass holders, and Full Conference One-Day Pass holders for their day of admittance only. Choose one among the three RSAC After Hours events offered.

For room locations see maps on pages 8–11.

Sessions and speakers are subject to change; please visit www.rsaconference.com/us2019 for the most up-to-date information.

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RSA Conference Online

www.rsaconference.com

RSAC onDemand

www.rsaconference.com/ondemand2

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WELCOME TO

RSA®Conference2019

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GENERAL
INFORMATION



As always, we thank you for being here and contributing to the critical cybersecurity conversations that take place at RSA Conference each and every year. It is our mission to bring cybersecurity professionals together to forward the industry and empower the collective “we.”

This year’s theme is, to put it simply, *Better*. Which means working hard to find better solutions. Making better connections with peers from around the world.

And keeping the digital world safe so everyone can get on with making the real world a better place.

RSA Conference is the time and the place to remind us to make security a top priority—this week, but also every day. A better, safer world is ahead when we have the drive, the strength and the vision to work together to create it. We hope you find inspiration in the brilliantly led sessions and keynotes, the cutting-edge technology in our Expo, and of course, the innovations showcased in RSAC Innovation Sandbox, RSAC Sandbox, RSAC Early Stage Expo and our brand new program, RSAC Launch Pad, taking place on Tuesday afternoon.

Thank you for being a part of this Conference. Enjoy the week of learning and networking ahead—and don’t forget to enjoy social time with your peers at the many special events throughout the week. We’re already looking forward to RSA Conference 2019 Asia Pacific & Japan in Singapore on July 16-18 and encourage you, or your colleagues in that part of the world, to join us there for deep, rich, regional and global cybersecurity conversations.

Until next time, let’s continue the conversations on RSAConference.com and through social media using [#RSAC](https://twitter.com/RSAC).

Sincerely,

Linda Gray Martin
Director and Chief of Operations
RSA Conference

Download our Mobile App

Download the **RSA Conference 2019 Mobile App** to stay up-to-date with all the Conference activities happening throughout the week. Build your own personalized schedule, participate in polls for select sessions, and find your way around the RSAC Campus—which includes the Moscone Center and Marriott Marquis—with our maps. Visit www.rsaconference.com/app1 or scan this QR code to get started.



PLAN YOUR EXPERIENCE

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SUNDAY / MONDAY

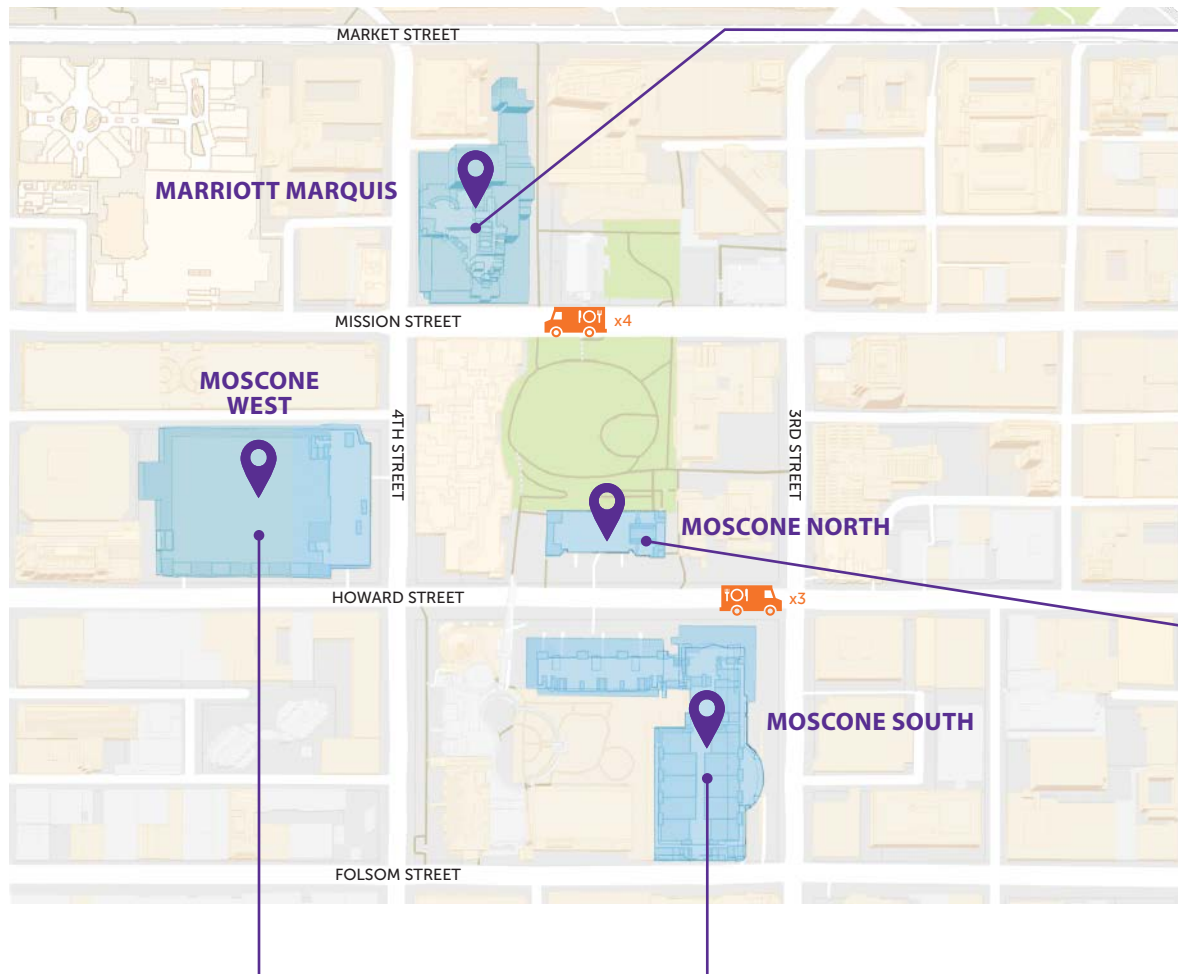
TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

EXPO



MOSCONE WEST

STREET LEVEL:

- ATM
- Broadcast Alley
- Coat & Bag Check
- Concessions
- First Aid
- Housing Desk
- Info Desk
- Mobile App Help Desk
- West Stage Keynotes

LEVEL 2:

- Alternate Keynote Viewing
- Concessions
- First-Timers Meet-Ups (Wednesday & Thursday)
- Full Conference & Discover Pass Seminars (Monday)
- Mindfulness & Movement Yoga (Wednesday & Thursday)
- RSAC After Hours: Game Night (Tuesday)
- RSAC Security Scholar Poster Board Exhibition (Wednesday)
- Speaker Office & Speaker Lounge
- Track Sessions

LEVEL 3:

- Alternate Keynote Viewing
- Birds of a Feather (Wednesday & Thursday)
- Learning Labs (Tuesday – Thursday)
- Track Sessions
- Tutorials & Trainings (Sunday & Monday)

MOSCONE SOUTH

STREET LEVEL:

- Coat & Bag Check
- Info Desk
- Materials Pickup
- Mobile App Help Desk
- Registration
- SF Travel Concierge
- Shuttles

ESPLANADE:

- Bookstore
- Concessions
- South Stage Keynotes
- RSAC After Hours: Comedy Club (Thursday)
- Track Sessions

LEVEL 2:

- All Access Seminars (Monday)
- Press Rooms
- Track Sessions

LEVEL 3:

- All Access Seminars (Monday)
- Women's Leadership Celebration Reception (Monday)
- Track Sessions
- Peer2Peer Sessions (Tuesday – Thursday)

LOWER LEVEL:

- Business Center
- Concessions
- First Aid
- RSAC Security Operations Center
- South Expo
- South Expo Briefing Center

MARRIOTT MARQUIS

STREET LEVEL:

- ATM
- Info Desk

LEVEL 2:

- Meeting Rooms
- Mothers' Room

GOLDEN GATE LEVEL:

- All Access Seminar (Monday)
- First-Timers Orientation & Networking Reception (Monday)
- RSAC After Hours: Whiskey & Wine Tasting (Wednesday)
- RSAC College Day Exploring Infosec Careers Breakfast & Panel (Thursday)

YERBA BUENA LEVEL:

- CyBEER Ops Networking Reception & International Meet-Up (Tuesday)
- Cybrew Café (Tuesday – Thursday)
- Law Track Sessions (Tuesday – Wednesday)
- Meeting Rooms
- RSAC College Day Open House & Sponsor Reception (Thursday)
- RSAC Early Stage Expo (Tuesday – Thursday)
- RSAC Innovation Sandbox Contest (Monday)
- RSAC Launch Pad (Tuesday)
- RSAC Sandbox (Tuesday – Thursday)

MOSCONE NORTH

STREET LEVEL:

- Mothers' Room
- Prayer Room
- Registration

LOWER LEVEL:

- ATM
- Concessions
- First Aid
- Info Desk
- Mobile App Help Desk
- North Expo
- North Expo Briefing Center

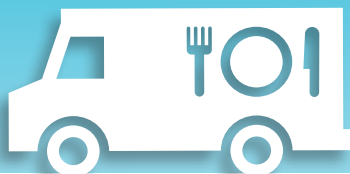
Street Eats

At RSA Conference, we always encounter our fair share of VHIPs—you know, *Very Hungry Infosec Professionals*. With options for all tastes, **Street Eats** is the easy way to fuel up between sessions or get energized before your next keynote. Stop by any of our four food trucks on Mission Street or our three food trucks on Howard. Oh, and don't forget to pack your appetite.

Open Tuesday – Thursday, 11 AM – 2 PM

Street Eats is available to all pass types and both cash and credit cards are accepted.

More restaurants and food options are located in the Metreon, between Moscone North and the Marriott Marquis.



7 minutes is all it took...

For the NotPetya attack to cripple one of the world's largest shipping companies.

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1 Agent 1 Console 1 Platform

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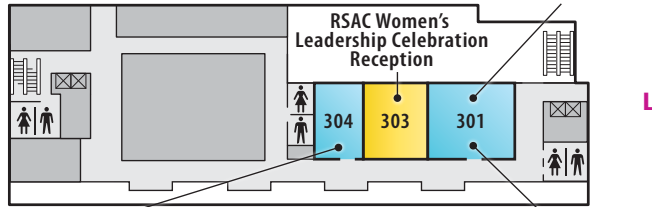
Visit Symantec at **Booth N 5645** to see it in action.



VENUE FLOOR PLANS – MOSCONE SOUTH

GENERAL INFORMATION

MOSCONE SOUTH Sunday – Monday



LEVEL 3

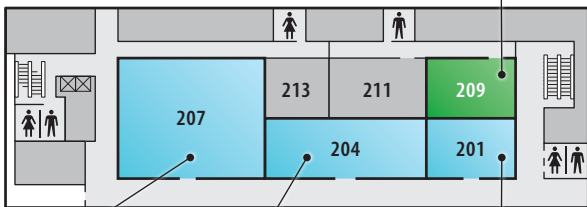
MOSCONE SOUTH Tuesday – Friday



Overflow Room Peer2Peer Sessions (P2P1, P2P2, P2P3)

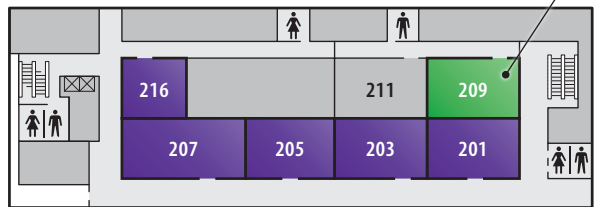
TRACK SESSIONS

She Speaks Security: Gaining Confidence Speaking and Submitting to Speak Seminar



LEVEL 2

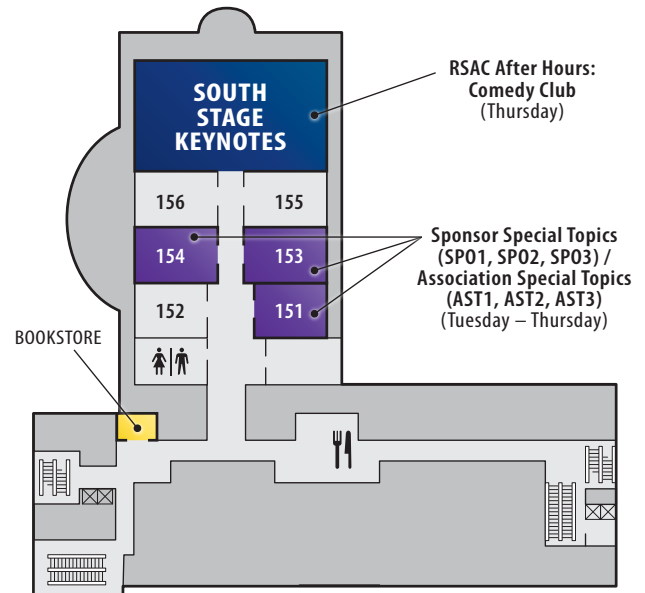
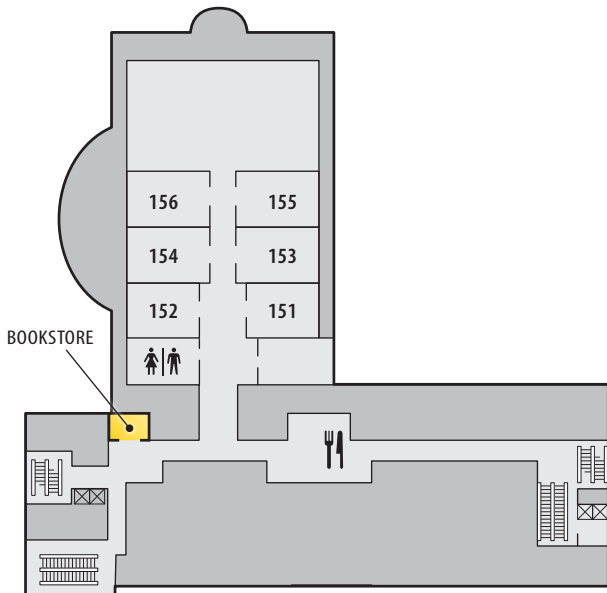
Press Working Room



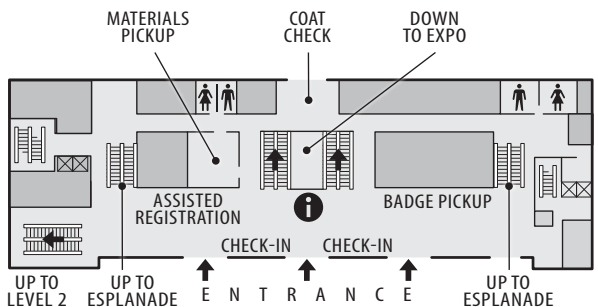
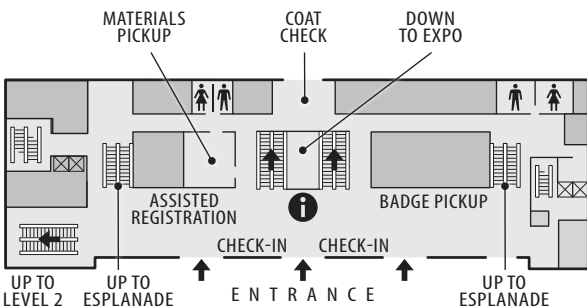
TRACK SESSIONS

CSA Summit: CSA 10 DevOps Connect: DevSecOps Day @ RSAC IAPP: Understanding the CCPA

ESPLANADE



STREET LEVEL

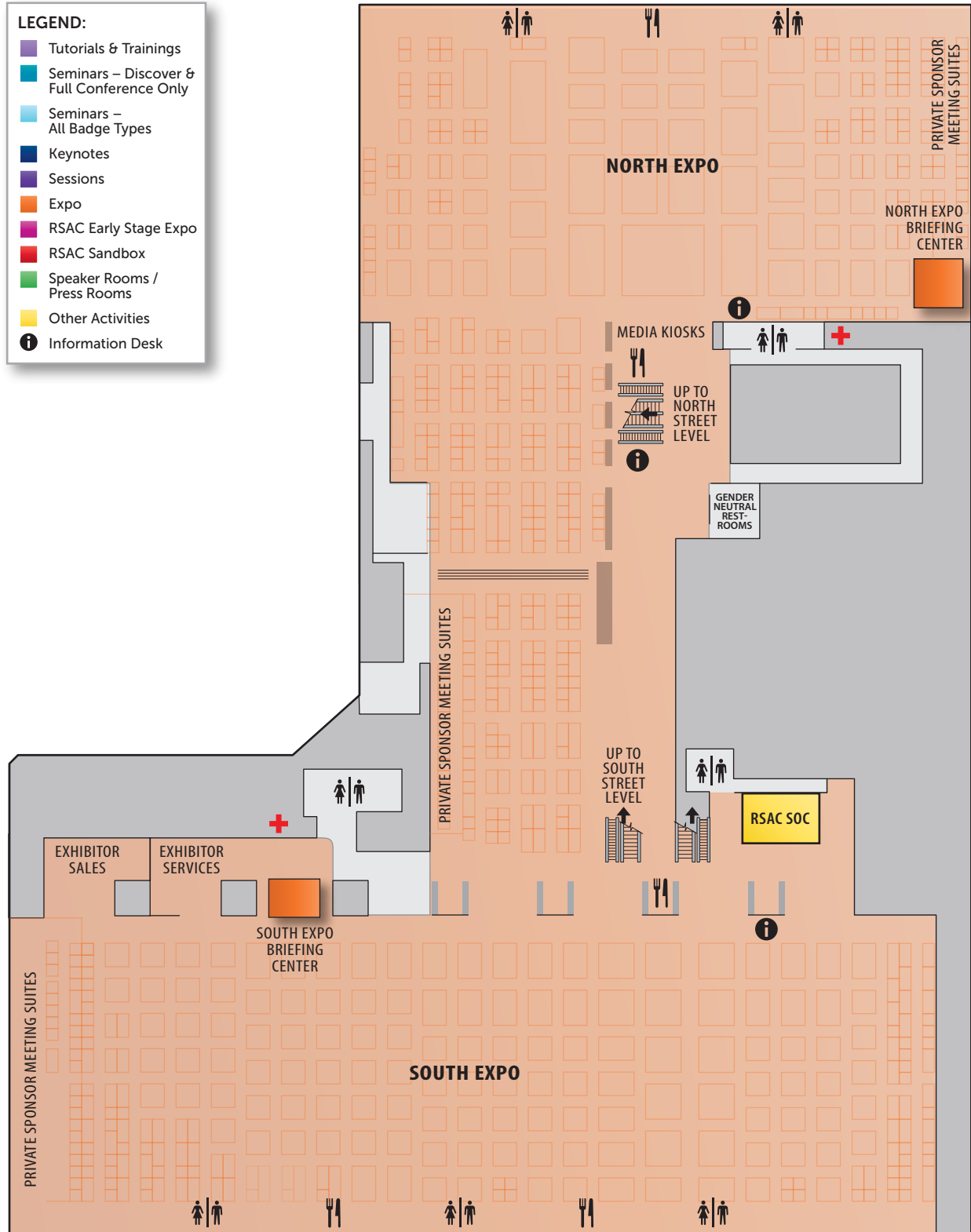


VENUE FLOOR PLANS – MOSCONE LOWER LEVEL

MOSCONE NORTH LOWER LEVEL

LEGEND:

- Tutorials & Trainings
- Seminars – Discover & Full Conference Only
- Seminars – All Badge Types
- Keynotes
- Sessions
- Expo
- RSAC Early Stage Expo
- RSAC Sandbox
- Speaker Rooms / Press Rooms
- Other Activities
- i Information Desk

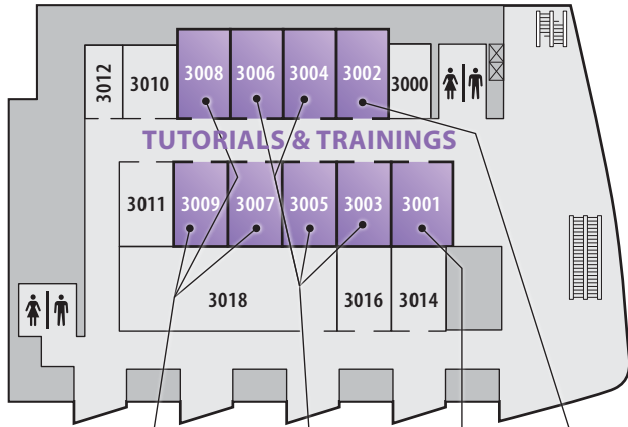


MOSCONE SOUTH LOWER LEVEL

VENUE FLOOR PLANS – MOSCONE WEST

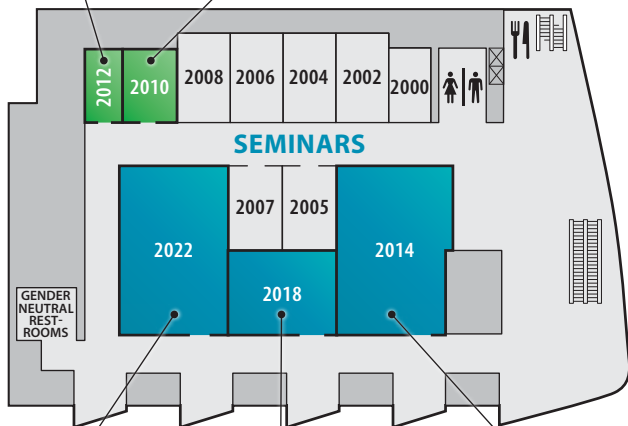
GENERAL INFORMATION

MOSCONE WEST Sunday – Monday

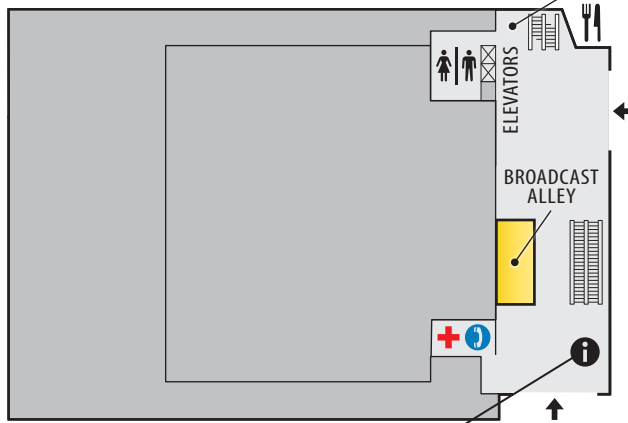


(ISC)² Trainings West 3007, 3008, 3009
 SANS Tutorials West 3003, 3004, 3005, 3006
 CSA Training West 3001
 ISACA Training West 3002

Speaker Lounge West 2012
 Speaker Office West 2010

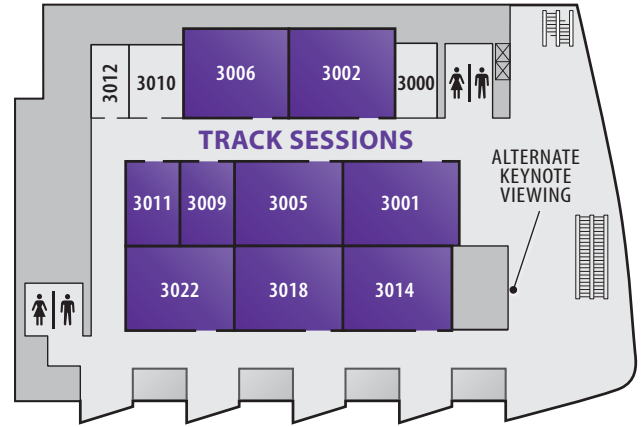


Emerging Threats Seminar West 2022
 Security, Privacy and Human Behavior Seminar West 2018
 Security Foundations Seminar West 2014



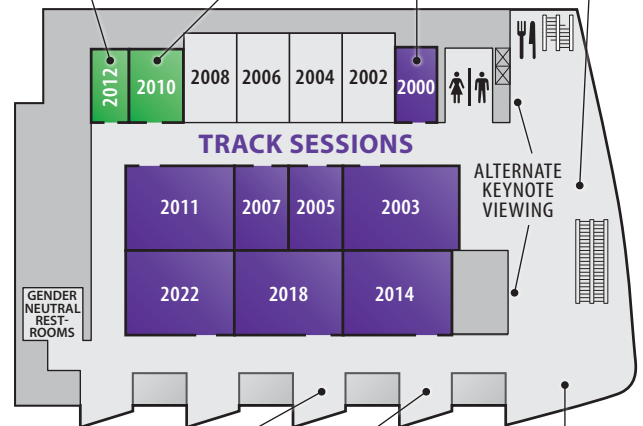
Info Desk
 Mobile App Help Desk
 Housing Desk

MOSCONE WEST Tuesday – Friday

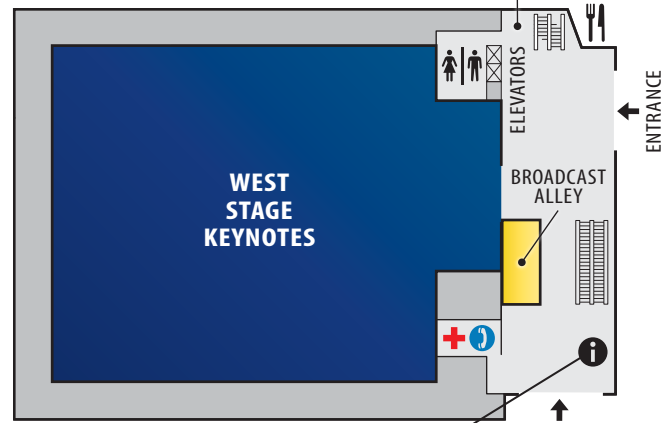


RSAC After Hours: Game Night (Tuesday)

Speaker Lounge West 2012
 Speaker Office West 2010
 Overflow Room West 2000



Mindfulness & Movement Yoga (Wednesday – Thursday) West Level 2 Alcove
 First-Timers Meet-Up (Wednesday – Thursday) West Level 2 Alcove
 LoyaltyPlus Lounge



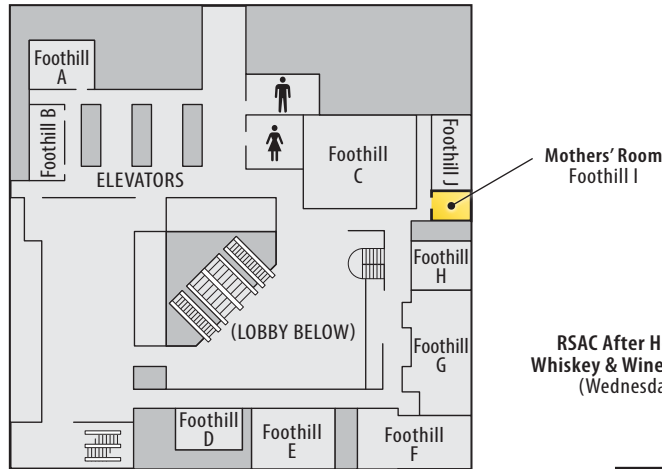
Info Desk
 Mobile App Help Desk
 Housing Desk

VENUE FLOOR PLANS – MARRIOTT MARQUIS

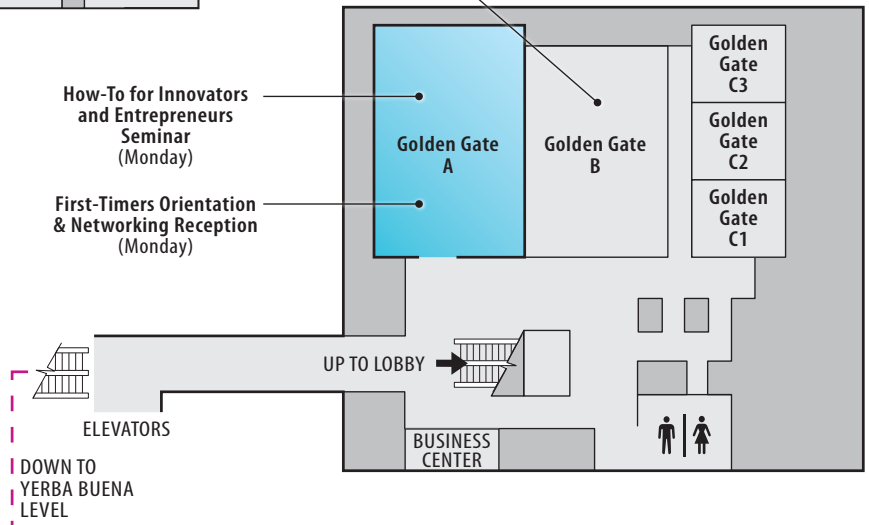
LEGEND:

- Tutorials & Trainings
- Seminars – Discover & Full Conference Only
- Seminars – All Badge Types
- Keynotes
- Sessions
- Expo
- RSAC Early Stage Expo
- RSAC Sandbox
- Speaker Rooms / Press Rooms
- Other Activities
- Information Desk

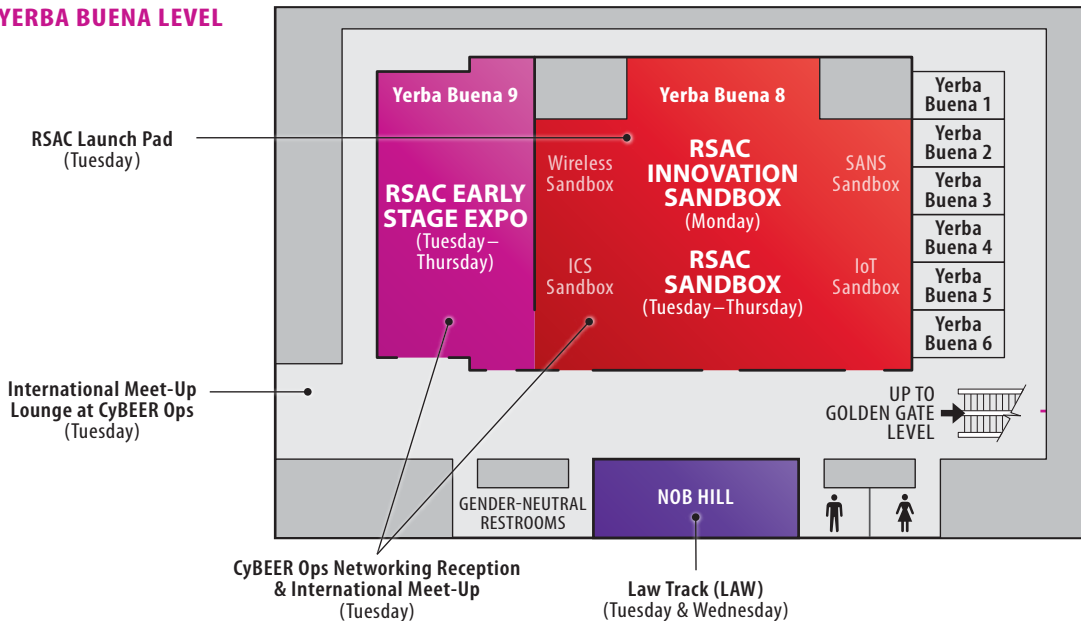
LEVEL 2



GOLDEN GATE LEVEL



YERBA BUENA LEVEL



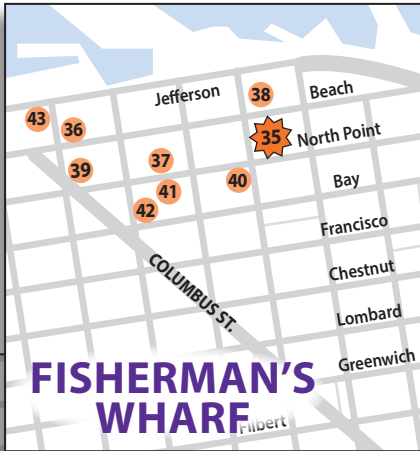
HOTELS & SHUTTLES

Hotel shuttle pickup and drop off locations are indicated by the large starbursts on the maps below. Guests at nearby hotels should walk to the nearest pickup location for shuttle service to the Moscone Center. Locate the route color and number your hotel is served by, and walk to the pickup location indicated by the starburst listed for that route.

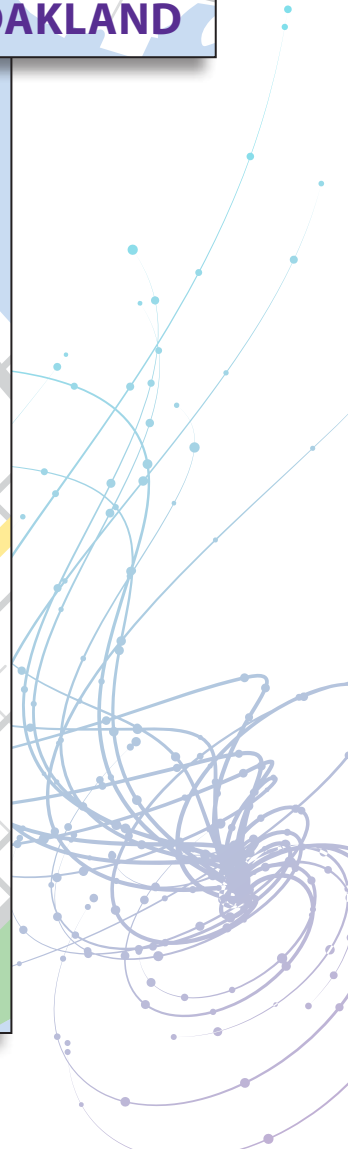
Wheelchair accessible transportation is available during hours of shuttle operation. Please call 415-377-3452 to schedule a pickup. Please allow at least 30 minutes for service.

ON-SITE HOUSING DESK

Have a question about your hotel reservation? Our housing partner, onPeak, is here to assist. Housing Desks are located in Moscone West.



No Shuttle Service will be provided to the Waterfront Hotel in Oakland. Attendees booked within RSA Conference 2019 Official Housing Block through onPeak will receive a complimentary Clipper Card, valid for up to five round trips on BART and/or AC Transit to facilitate travel to RSA Conference. For more information visit our Public Transportation page.



SHUTTLE SCHEDULE

Shuttles to and from San Francisco hotels and the Moscone Center run every 15 minutes during peak service hours and every 30 minutes during midday service hours. All shuttle drop offs and pick-ups at Conference are on Howard Street in front of Moscone South.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
AM Peak Service (Every 15 minutes)	7:00 AM – 10:00 AM	6:30 AM – 10:00 AM	6:30 AM – 10:00 AM	6:30 AM – 10:00 AM	8:00 AM – 10:00 AM
Midday Service (Every 30 minutes)	10:00 AM – 4:30 PM	10:00 AM – 4:30 PM	10:00 AM – 4:30 PM	10:00 AM – 4:30 PM	10:00 AM – 12:30 PM
PM Peak Service (Every 15 minutes)	4:30 PM – 8:00 PM	4:30 PM – 10:00 PM	4:30 PM – 8:30 PM	4:30 PM – 9:00 PM	12:30 PM – 3:00 PM

ROUTE 1

Pickup location:

- 1 Westin St. Francis**
335 Powell Street
Boarding on Post Street

Also serves these hotels:

- Grand Hyatt**
345 Stockton St.
- Handlery Union Square**
351 Geary St.
- Hotel Diva**
440 Geary St.
- Hotel Emblem**
(formerly Hotel Rex)
562 Sutter St.
- Hotel Nikko San Francisco**
222 Mason St
- J.W. Marriott San Francisco**
500 Post St.
- Tilden Hotel**
345 Taylor St

Pickup location:

- 9 Marriott Union Square**
480 Sutter St.
Boarding: Curbside between Powell and Stockton

Also serves these hotels:

- Galleria Park Hotel**
191 Sutter St.
- Orchard Garden Hotel**
466 Bush St.
- Orchard Hotel**
665 Bush St.
- Sir Francis Drake**
450 Powell St.

ROUTE 2

Pickup location:

- 14 Hilton Union Square**
333 O'Farrell St.
Boarding on Taylor Street

Also serves these hotels:

- Cliff Royal Sonesta**
495 Geary St.
- Hotel Carlton**
1075 Sutter St.
- Hotel Spero**
405 Taylor St.
- Hotel Vertigo**
940 Sutter St.
- Hotel Zeppelin**
545 Post St.
- King George Hotel**
334 Mason St.
- The Marker**
501 Geary St.

ROUTE 3

Pickup location:

- 22 Fairmont San Francisco**
950 Mason St.
Boarding on Mason Street

Also serves these hotels:

- InterContinental Mark Hopkins San Francisco**
999 California St.
- Stanford Court Hotel**
905 California St.

ROUTE 4

Pickup location:

- 25 Hilton San Francisco Financial District**
750 Kearny St.
Boarding on Kearny Street

Also serves these hotels:

- Le Meridien**
333 Battery St.
- Omni San Francisco**
500 California St.

Pickup location:

- 28 Hyatt Regency San Francisco**
5 Embarcadero Center
Boarding on Market Street

Also serves these hotels:

- Hotel Griffon**
155 Steuart St.
- Hotel Vitale**
8 Mission St.
- Loews Regency Hotel**
222 Sansome St.

ROUTE 5

Pickup location:

- 32 Hotel Whitcomb**
1231 Market St.
Boarding on Market Street

Also serves this hotel:

- Yotel**
1095 Market St.

Pickup location:

- 34 COVA Hotel**
655 Ellis St
Boarding curbside at Ellis

ROUTE 6

Pickup location:

- 35 Sheraton Fisherman's Wharf**
2500 Mason St.
Boarding on North Point Street

Also serves these hotels:

- Courtyard San Francisco Fisherman's Wharf**
580 Beach St.
- Holiday Inn Express Fisherman's Wharf**
550 North Point St.
- Holiday Inn Fisherman's Wharf**
1300 Columbus Ave.
- Hotel Zephyr**
250 Beach St.
- Hotel Zoe**
425 North Point St.
- Hyatt Centric Fisherman's Wharf**
555 North Point St.
- Pier 2620 at Fisherman's Wharf**
2620 Jones St.
- The Argonaut**
495 Jefferson St.

ROUTE 7

Pickup location:

- 44 Hyatt Place**
701 Third St.
Boarding on Third Street

Also serves this hotel:

- Hotel Via**
138 King St.

Pickup location:

- 46 Courtyard San Francisco Downtown**
299 Second St.
Boarding on Second Street

The following RSA Conference hotels are within walking distance to the Moscone Center:

- | | | |
|---|---|--|
| 47. Americania
121 Seventh St. | 51. Hotel Abri
127 Ellis St. | 55. Marriott Marquis
55 Fourth St. |
| 48. Axiom Hotel
28 Cyril Magnin St. | 52. Hotel Union Square
114 Powell St. | 56. Parc 55
55 Cyril Magnin St. |
| 49. Carriage Inn
140 Sevent St. | 53. Hotel Zelos
12 Fourth St. | 57. Park Central
50 Third St. |
| 50. Four Seasons Hotel San Francisco
757 Market St. | 54. InterContinental San Francisco
888 Howard St. | 58. W San Francisco
181 Third St. |

Oakland hotel (no shuttle service, see note on facing page):

- Waterfront Hotel**
10 Washington St., Oakland

EMERGENCIES

If you require emergency medical attention or need other emergency assistance, please dial:

Moscone Center: Extension 511 from any white house telephone


Marriott Marquis: Extension 6666 from any house telephone

SAFETY & SECURITY

For non-emergencies contact the venue's Security Team. **Moscone North/South:** (415) 974-4021, **Moscone West:** (415) 974-4117, **Marriott Marquis:** Extension 6666 or (415) 422-6081

For all other safety and security questions or to report anything suspicious, please contact the on-site RSAC Security team directly at (857) 208-9468.

ADVANCED SESSIONS

New this year we have included an icon to help you better find the advanced content at the Conference. Look for the  next to session titles to locate advanced sessions.

BROADCAST ALLEY

Hear that? It's buzz. And it's coming from Broadcast Alley, the unofficial newsroom of RSAC 2019 where top security publications shoot live at the Conference and record exclusive interviews with cybersecurity VIPs.

BUSINESS CENTER

A Business Center is available for your convenience Tuesday, March 5 through Thursday, March 7, from 11 AM – 6 PM in Moscone South, Lower Level near Hall C. Applicable charges apply.

CHARGING CUBES

Look for RSA Conference Charging Cubes in numerous seating areas around Moscone West, Moscone North Lower Level and RSAC Sandbox Marriott Yerba Buena 8. The charging cubes provide outlets to supply power to your devices.

CONTINUING EDUCATION CREDITS*

RSA Conference has partnered with several organizations to offer continuing education credits to attendees at RSA Conference 2019. Below is a list of accrediting organizations.

ABA • The American Bar Association Section of Science & Technology Law sponsors the Law Track at RSA Conference 2019. SciTech has applied for Continuing Legal Education Credits in many mandatory CLE states for all sessions in this track. To sign in for CLE credit, please visit the CLE Information Table during the Law Track Sessions. Contact SciTech at (312) 988-5599 with any questions.



CompTIA • RSA Conference 2019 attendees who are a part of CompTIA's Continuing Education (CE) Program can earn 1 CEU for each hour you attend, with a max earning depending on certification. Attendees will need to submit a detailed description of session content and provide their trip report based on scanned sessions during the Conference for support through CertMetrics to receive CEUs for a Conference session.



GIAC • Global Information Assurance Certification (GIAC) certification holders may earn up to 18 CPEs for attending applicable keynote and track sessions at RSA Conference 2019. Attendees will need to apply for proper credentials, and provide their trip report based on scanned sessions during the Conference for support.



IAPP • IAPP offers 12 CPE credits for RSA Conference 2019 attendees. Members will need to self-report attendance information for credits by completing a CPE application form and providing support documentation. For more information, go to <https://iapp.org/certify/cpe>.



ISACA • ISACA members are entitled to CPE credits for attending RSA Conference 2019. Members can qualify for 1 CPE credit for each applicable track and keynote session subject to ISACA approval. Members will need to self-report attendance information with a copy of the post-conference trip report (detailing sessions attended through badge scanning while onsite) as support of their request.



(ISC)² • (ISC)² members can earn up to 35 CPE credits for attending RSA Conference 2019. After the Conference, RSA Conference will provide (ISC)² with a list of attending (ISC)² member's name, membership number and applicable credits. Please note, we ask for members' (ISC)² membership number during the registration process.



CLASSIFICATIONS

We offer three different session classifications focused on principles and concepts that are aligned with your experience: General Interest (All), Intermediate (5+ years) and Advanced (10+ years).

COAT & BAG CHECK

Coat and bag check will be open in Moscone South and West Street Levels during registration hours and RSAC After Hours.

GENERAL CONFERENCE INFORMATION

CODE OF CONDUCT To view our code of conduct statement please visit www.rsaconference.com/about/code-of-conduct.

CONFERENCE BOOKSTORE

DigitalGuru brings you the latest information security titles at special discounted rates, plus exclusive speaker Q&A and book signings. Don't miss this opportunity. Just stop by the bookstore located in Moscone South, Esplanade Level, for the latest schedule of signings, and arrive early for the biggest names! Also, all RSAC attendees receive 20 percent off all purchases. **Book signings will be held in the Conference Bookstore, so be sure to look for dates and times on-site or on the Mobile App.**



CYBREW CAFÉ

The Cybrew Café, our full-service coffee bar, will be serving your favorite beverages in the RSAC Sandbox in the Marriott Marquis. Be sure to stop by daily for your caffeine fix! Open Tuesday through Thursday.



DATA COLLECTION

RSA Conference does not share your information directly with exhibitors or sponsors unless you have opted to do so. By allowing your badge to be scanned when visiting an exhibitor or sponsor booth, you signify your consent to receive communications directly from that exhibitor. You will be subject to their communications and privacy policy, and must opt out with them individually.

DIVERSITY & INCLUSION

At RSA Conference, we've always strived to bring people together across the spectrum of genders, ethnicities, backgrounds and experiences. After all, inclusion makes us stronger—both as an industry and as individuals. And now we're deepening our commitment to these values through our diversity and inclusion (D&I) initiative.

DRONES POLICY

The use of drones/unmanned aircrafts (UAVs) is strictly prohibited at all times throughout the RSAC campus and adjacent outside areas. UAVs are devices intended to be used for flight with no onboard pilot. RSA Conference reserves the right to remove any such UAVs at its sole discretion.

EVALUATIONS

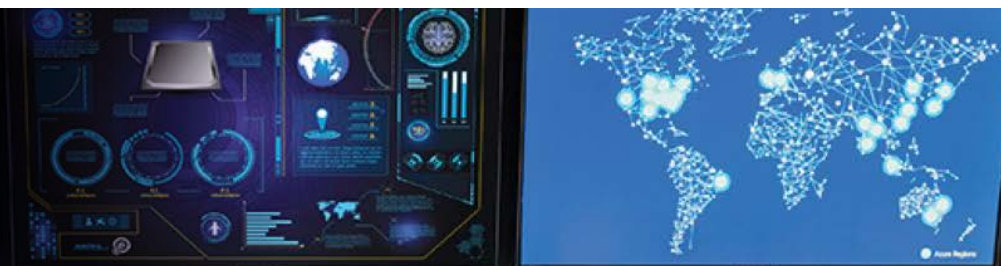
Your input helps us develop valuable, relevant content for future RSA Conferences. Plus, your feedback is provided to speakers after the Conference. Fill out your evaluations within the mobile app or through the email you receive listing your session attendance. All completed evaluations will be entered into a daily drawing for a pair of Apple® AirPods and a weekly grand prize of a GoPro® HERO7.





Visit Microsoft
at Booth N 6059
in the North Expo

Learn how your organization can:

- Secure Identities to reach zero trust
- Help stop damaging attacks with integrated and automated security
- Locate and classify information anywhere it lives
- Strengthen your security posture with insights and guidance



GENERAL CONFERENCE INFORMATION

FIRST-TIMER PROGRAMS	We've created several programs for First-Timers with Full Conference Passes to help make Conference navigation easier. With events scattered throughout the week, you can take advantage of an orientation, a networking reception, and exclusive meet-ups to help everything go smoothly.
GENDER NEUTRAL RESTROOMS	There are three gender neutral restrooms located in Moscone North & West and the Marriott Marquis which are available to all attendees.
LOST AND FOUND	If you find someone's property, please drop it off at one of the information desks where it will be secured until it is returned to its rightful owner. If you lose property, please go to an information desk and fill out a lost property report.
MEDICS	Medics will be onsite in the following locations during the operating hours of the Conference: Moscone North outside of Hall F, (415) 974-4096; Moscone South outside of Hall C, (415) 974-4090; and Moscone West Street Level, (415) 974-4159.
MOTHERS' ROOM	For nursing mothers, we have provided private spaces in Moscone North 115 and Marriott Foothill I. Mothers' rooms are open during all hours of the Conference. Check at the closest Information Desk for access instructions.
PHOTOGRAPHY AND VIDEO	RSA Conference is held in a public space; therefore we do not prohibit photography of Conference activities. However, videotaping does require advanced approval. Requests to videotape any session must be approved by both RSAC and the speaker. Send requests to videotape to rsaconf@shiftcomm.com . Keep in mind that the Moscone Center is a union facility where certain unions have jurisdiction related to video recording and will require you to follow those guidelines. RSA Conference reserves the right to use images or video taken at the Conference with your photograph and/or likeness in future marketing materials.
POLLING	You know what makes RSAC great? You. And by participating in select session polls, you can help make us even better. In select sessions, use the RSAC Mobile App to answer a few quick questions on your experience, and view your and other attendees' responses in real-time.
	
PRAYER ROOM	A prayer room for attendees will be available in Moscone North 114.
PRESS ROOM	The Press Room is located in Moscone South 209 and is open to all registered Press. Hours of operation: Monday, March 4 9:00 AM – 7:00 PM Thursday, March 7 7:00 AM – 6:00 PM Tuesday, March 5 7:00 AM – 7:00 PM Friday, March 8 7:00 AM – 12:00 PM Wednesday, March 6 7:00 AM – 7:00 PM
PRIVACY POLICY	To view our full privacy statement please visit https://www.rsaconference.com/dellprivacy
REPLACEMENT BADGES	Attendees and exhibitors are required to wear Conference badges to all Conference functions, including evening events. Badges are not transferable. Please be careful with your badge and badge holder! If you lose your badge and/or badge holder, you will be required to purchase a new one for a fee of \$100 . If you find a misplaced badge, please return it to Registration.
RSAC CISO BOOT CAMP	CISOs carry the weight of the world's security on their shoulders. Leading cybersecurity teams. Building effective security strategy. It's all in a day's work. In this inaugural, invite-only program, 100 CISOs will gather, partner and collaborate for 1½ days to learn about new strategies and techniques for securing their organization and will have every opportunity to share their professional insights with equally experienced peers.
RSAC ONDEMAND	RSAC onDemand is a great way to experience highlights of RSA Conference—online. A complimentary feature for all pass holders, RSAC onDemand lets you catch up on some of the most looked-forward-to moments from Conference—or even re-watch your favorites—live or on-demand. To learn more about RSAC onDemand, visit rsaconference.com/ondemand2 .
RSAC SECURITY OPERATIONS CENTER	Take a tour of a working SOC! Head to the Moscone South Lower Level for the RSA Conference Security Operations Center. See what's really taking place on the Moscone Wireless Network in real time.
	Sponsored by: 
SAFE WALK PROGRAM	Working in conjunction with San Francisco Travel, increased patrols will be in place in and around official RSAC hotels not serviced by RSAC bus routes. Additional information on paths of travel and on-demand services is available at the designated walking-distance hotels.

GENERAL CONFERENCE INFORMATION

SESSION PRESENTATIONS

Session presentations are posted online at www.rsaconference.com/downloads2019. You can download the presentations by searching on the Sessions & Events page.

SHUTTLE DROP OFF LOCATIONS

Shuttle service is offered from a variety of participating hotels and is available to drop you off at Moscone Center South Driveway. Please refer to pages 12 – 13 for a map and list of hotel pickup and drop-off locations, routes and shuttle hours.

STREET EATS

Stop by any of our food trucks on Mission Street or Howard Street. Open Tuesday through Thursday from 11 AM to 2 PM. Street Eats is available to all pass types and both cash and credit cards are accepted.

TOP RATED SPEAKERS



Speakers whose scores are above 4.3 (on a scale of 1 to 5) for two or more conferences for individual or co-speaker sessions only are indicated with a top rated symbol in the session detail pages.

TRIP REPORT

We're making it easier for you to share your RSA Conference experience with your colleagues. You'll receive a post-Conference email listing the sessions you attended and the exhibiting companies you visited. Session information will include a link to the location on the RSA Conference website where presentation PDFs can be found. Exhibitor information will include links to each of the exhibiting companies you visited. Please note, you'll receive information ONLY for the sessions you attended and the exhibitors you visited, for which your badge was scanned. Trip reports will be available on request 90 days post-Conference at no cost. After 90 days there will be a \$60 charge per request.

WHEELED TRANSPORT DEVICES POLICY

Wheeled transport devices (with or without motors) are not permitted at any RSA Conference venue. This includes hoverboards, skateboards, uniwheels and all similar products. Wheelchairs and ADA-compliant mobility scooters are permitted.

WIRELESS INTERNET

Free wireless is available in select Conference areas. Connect to SSID: **.RSACONFERENCE** (subject to terms and conditions). *Important! The wireless network available at the Moscone Center and Marriott Marquis is an open, unsecured 5 GHz network. Also note that this year, RSA and Cisco AMP Threat Grid will be using data from the Moscone Wireless Network for an educational demonstration on a working SOC. We strongly recommend that you use appropriate security measures, such as utilizing a VPN connection, installing a personal firewall and keeping your operating system up-to-date with security patches. We recommend turning off your wireless adapter when not in use and ensuring ad-hoc (peer-to-peer) capabilities are disabled on your device.*



**CYBERSECURITY
DOESN'T NEED
MORE TOOLS.
IT NEEDS
NEW RULES.**

The new rules are changing the way we see security. Visit Booth N 5759 or ibm.com/security to find out how.

You're not going to want to miss all of the action happening on the Yerba Buena Level of the Marriott Marquis.

RSAC INNOVATION SANDBOX CONTEST

The RSAC Innovation Sandbox Contest has crowned the Most Innovative Startups who create cutting-edge technologies to minimize infosec risk for the past 14 years! Come witness the Top 10 Finalists grab the spotlight for a three-minute pitch while demonstrating groundbreaking security technologies to the broader RSA Conference community.

Exclusive RSAC Innovation Sandbox Media Sponsor:

WSJ PRO CYBERSECURITY

AGENDA – MONDAY, MARCH 4, 2019

1:30 PM	Doors Open
1:45 PM – 2:00 PM	Opening Remarks <i>Hugh Thompson, Program Committee Chairman, RSA Conference</i>
2:00 PM – 3:30 PM	Top 10 Finalists Presentations Three-minute pitches followed by Q&A with judges.
3:30 PM – 4:15 PM	Audience Meet and Greet with Top 10 Finalists While judges debate the winner, the audience has the opportunity to meet with the Top 10 Finalists and learn more about their solutions.
4:15 PM – 4:30 PM	Judges Panel RSAC Innovation Sandbox judges will invite the top contestants on stage to share their impressions of the selected companies, providing advice to guide the companies as they move forward.
4:30 PM	Announcement of Winner

RSAC SANDBOX

The RSA Conference Sandbox is full of hands-on interactive experiences to test your infosec skills. Demo and discuss how pervasive computing and connectedness will inevitably lead to a broader threat landscape in healthcare and business; expand your thinking about threats to smart cities, electric grids and industrial processing plants; learn more about wireless hacking and vulnerabilities in radio frequency devices, and challenge your infosec skills. See the following pages for times and event descriptions.

HOURS:	Tuesday, March 5	4:45 PM – 6:30 PM*
	Wednesday, March 6	8:00 AM – 4:00 PM
	Thursday, March 7	8:00 AM – 3:30 PM

** Open to Full Conference Pass holders, Tuesday One-Day Full Conference Pass holders, Press and CyBEER Ops ticket holders only.*

Exclusive RSAC Sandbox Media Sponsor:



RSAC EARLY STAGE EXPO

The RSAC Early Stage Expo is the perfect megaphone for emerging infosec startups. Interested in seeing the new innovations they are bringing to the table? Meet over 50 of the industry's most promising newcomers by visiting their kiosks or sitting in on a short demo at the Early Stage Expo briefing center.

HOURS:	Tuesday, March 5	4:45 PM – 6:30 PM*
	Wednesday, March 6	8:00 AM – 4:00 PM
	Thursday, March 7	8:00 AM – 3:00 PM

** Open to Full Conference Pass holders, Tuesday One-Day Full Conference Pass holders, Press and CyBEER Ops ticket holders only.*

Exclusive RSAC Early Stage Expo Media Sponsor:

crunchbase

RSAC LAUNCH PAD

Brand-new to RSA Conference, RSAC Launch Pad is a springboard for great solutions to cybersecurity's pressing challenges. Inspired by the RSAC Innovation Sandbox Contest, RSAC Launch Pad is designed to give new talent a platform to share their brilliant industry solutions. Watch three selected participants give a 10-minute pitch on their groundbreaking products to a panel of leading security venture capitalists, including Enrique Salem, Ted Schlien and Theresia Gouw, and see who will walk away with investments that could take their company to the next level.

AGENDA – TUESDAY, MARCH 5, 2019

3:50 PM	Doors Open
4:00 PM	Welcome by Hugh Thompson and Introduction of Venture Investors
4:05 PM – 4:40 PM	Company Pitches Three companies each have 10 minutes to pitch their companies and answer questions from the Venture Investors.
4:40 PM	Event Close and Networking The first annual RSAC Launch Pad event wraps up and is immediately followed by the CyBEER Ops Networking Reception & International Meet-Up.

This event is open to Full Conference Pass holders, Tuesday One-Day Full Conference Pass holders, Press and CyBEER Ops ticket holders.



**ALL THREATS.
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The RSA Conference Sandbox is full of hands-on interactive experiences to test your infosec skills. Demo and discuss how pervasive computing and connectedness will inevitably lead to a broader threat landscape in healthcare and business; expand your thinking about threats to smart cities, electric grids and industrial processing plants; learn more about wireless hacking and vulnerabilities in radio frequency devices, and challenge your infosec skills.

The RSAC Sandbox is located in the Yerba Buena level of the Marriott Marquis.

Exclusive RSAC Sandbox Media Sponsor:



RSAC SANDBOX HOURS

Tuesday, March 5*	4:45 PM – 6:00 PM
Wednesday, March 6	8:00 AM – 4:00 PM
Thursday, March 7	8:00 AM – 3:30 PM

* Open to Full Conference Pass holders, Tuesday One-Day Full Conference Pass holders, Press and CyBEER Ops ticket holders only.

SANS NETWARS IN THE RSAC SANDBOX

SANS Core NetWars Experience is a hands-on information security challenge developed to build and enhance your skills as an infosec professional. Compete with your peers through progressively difficult challenges. Score points on our interactive scoreboard either by yourself or in a team of up to five players. SANS NetWars was designed for novice (hints available) to advanced professionals and covers various aspects of penetration testing, forensics, defense, and your ability to rely on your experiences and problem-solving skills to navigate from Level 1 through Level 5 of gameplay.

SANS NetWars seating is limited to 40 players. Seats will be available on a first-come, first-served basis.

WEDNESDAY, MARCH 6

8:10 AM – **SANS Core NetWars Experience** SBX2-W1
10:10 AM **Chris Elgee**, Builder & Breaker, Counter Hack Challenges

10:50 AM – **SANS Core NetWars Experience** SBX2-W2
12:50 PM **Chris Elgee**, Builder & Breaker, Counter Hack Challenges

1:40 PM – **SANS Core NetWars Experience** SBX2-W3
3:40 PM **Chris Elgee**, Builder & Breaker, Counter Hack Challenges

THURSDAY, MARCH 7

8:00 AM – **SANS Core NetWars Experience—Intro to Capture the Flag** SBX2-R1
9:30 AM **Chris Elgee**, Builder & Breaker, Counter Hack Challenges; Co-hosted by **Women's Society in Cyberjutsu (WSC)**

11:40 AM – **SANS Core NetWars Experience** SBX2-R2
1:40 PM **Chris Elgee**, Builder & Breaker, Counter Hack Challenges

WIRELESS VILLAGE SANDBOX

The Wireless Village Sandbox is a group of experts in the areas of information security, WiFi and radio communications with the common purpose to teach the exploration of these technologies. We provide the very best in Wireless Capture the Flag (WCTF) which was designed to allow for active real time and real-world practice with the radio frequency (RF) tools to promote learning on cutting-edge topics as they relate to radio communications. This year for RSA Conference we will have some great mini competitions and Fox and Found events for you to test your skills, whether they were just learned or if you are a seasoned veteran. Come for the talks, stay for the practice and the competition.

WEDNESDAY, MARCH 6

9:30 AM – **Hunting and Tracking Rogue Radio Frequency Devices** SBX3-W1
10:30 AM **Eric Escobar**, Principal Security Consultant, SecureWorks

1:50 PM – **First Steps in RF: Lessons Learned** SBX3-W2
2:50 PM **Dave Weinstein**, Software Engineering Manager, Google

THURSDAY, MARCH 7

8:00 AM – **Wireless Offense and Defense, Explained and Demonstrated!** SBX3-R1
9:00 AM **Rick Farina**, Senior Product Manager, WLAN Software Security, Aruba; **Rick Mellendick**, Chief Security Officer, Process Improvement Achievers LLC

11:30 AM – **Bluetooth Reverse Engineering: Tools and Techniques** SBX3-R2
12:30 PM **Mike Ryan**, Founder, ICE9 Consulting

INDUSTRIAL CONTROL SYSTEMS SANDBOX

As the backbone of modern society, vulnerabilities in industrial control systems (ICS) has come to the forefront of businesses, governments and organizations. This year, ICS will conduct a deeper dive into the Industrial Internet of Things, simulate an ICS cyberattack and think through implications of smart cities on the grid. Visit the ICS Village Sandbox for demos and talks that will be held throughout each day.

WEDNESDAY, MARCH 6

- 10:50 AM – **SCADA Attack Detection 101** SBX4-W1
11:20 AM **Oleg Kolesnikov**, Vice President of Threat Research / Cybersecurity, SECURONIX; **Harshvardhan Parashar**, Security Researcher, SECURONIX
-
- 11:20 AM – **Debunking the Hacker Hype: The Reality of Widespread Blackouts** SBX4-W2
11:50 AM **Selena Larson**, Intelligence Analyst, Dragos, Inc.
-
- 3:00 PM – **Cybersecurity and Privacy: The Two Main Tenets in the Smart City Project** SBX4-W3
3:30 PM **Panel Discussion**
MODERATOR: **Maryam Rahmani**, Global Partnership Officer, Global Cyber Alliance
PANELISTS: **Tony Batalla**, Head of IT, San Leandro City; **Lan Jensen**, CEO, Adaptable Security Corp; **Sokwoo Rhee**, Associate Director of Cyber-Physical Systems Innovation, National Institute of Standards and Technology
-
- 3:30 PM – **Safety Systems Are the New Target: Design Security Using Safety Methods** SBX4-W4
4:00 PM **Marty Edwards**, Director of Strategic Initiatives, International Society of Automation (ISA)

THURSDAY, MARCH 7

- 9:10 AM – **How Long to Boom: Understanding and Measuring ICS Hacker Maturity** SBX4-R1
9:40 AM **Sergio Caltagirone**, Director, Threat Intelligence, Dragos
-
- 9:40 AM – **I Belong Here** SBX4-R2
10:10 AM **Michelle Mullinix**, Digital Analysis and Investigations, Executive Office For US Attorneys
-
- 1:10 PM – **Hunt Advanced Attackers on a Budget Less than the GDP of a Small Country** SBX4-R3
1:40 PM **John Strand**, Owner, Black Hills Information Security
-
- 1:40 PM – **Internal Affairs: Building Incident Command Frameworks through Diplomacy** SBX4-R4
2:10 PM **Dana-Megan Rossi**, Assoc. Director, Product Security Policy, Strategy & Incident Response, Becton, Dickinson and Company

INTERNET OF THINGS SANDBOX

IoT Village™ delivers expertise advocating for security advancements in Internet of Things (IoT) devices. This exhibit highlights vulnerable connected devices and groundbreaking security research found in devices as common as smart cameras to devices as complex as medical devices. Experience thought-provoking talks by expert security researchers who dissect real-world exploits and vulnerabilities and analyze the impact on consumer and business environments.

WEDNESDAY, MARCH 6

- 8:30 AM – **Internet of Food: How IoT Threatens Fields, Farms and Factories** SBX1-W1
9:00 AM **Ryan Flores**, Senior Manager Threat Research, Trend Micro; **Akira Urano**, Senior Threat Researcher, Trend Micro
-
- 9:00 AM – **Shadow IoT Hacking the Corporate Environment: Office as the New Smart Home** SBX1-W2
9:30 AM **Ondrej Vlcek**, Chief Technology Officer, Avast
-
- 12:40 PM – **Yet Another IoT Hack** SBX1-W3
1:10 PM **Joshua Meyer**, Associate Security Analyst, Independent Security Evaluators
-
- 1:10 PM – **The Emerging Grey App Threat—Mobile Kids Apps are Gateway to Parents** SBX1-W4
1:40 PM **Frances Dewing**, CEO, Rubica

THURSDAY, MARCH 7

- 10:20 AM – **Run for Your Life—No Literally—Do It!** SBX1-R1
11:00 AM MODERATOR: **Lisa Green**, Director, People Relations, Independent Security Evaluators
PANELISTS: **Katie Curran**, Information Security Engineer, Blackline; **Kat Fitzgerald**, Principal Security Architect, Zebra Technologies; **Xena Olsen**, Cyber Threat Intel Analyst, Discover Financial Services
-
- 11:00 AM – **Hello? It's Me, Your Not So Smart Device. We Need to Talk.** SBX1-R2
11:30 AM **Alex Balan**, Chief Security Researcher, Bitdefender
-
- 2:20 PM – **Internet of Laws: Navigating the IoT Legal Landscape** SBX1-R3
2:50 PM **Amit Elazari**, Director, Global Cybersecurity Policy, Intel Corporation, and Lecturer, UC Berkeley School of Information (MICS)
-
- 2:50 PM – **U-Boot, I-Hack** SBX1-R4
3:20 PM **Andrew Bindner**, Manager, Penetration Testing, Rapid7; **Carlota Bindner**, Security Associate, Rapid7

RSAC[®] Security Scholar

RSA Conference Security Scholar connects 80 of the brightest up-and-coming cybersecurity students with leading experts, peers and Conference attendees. The goal of the program is to share knowledge, experience and connections to enrich the discourse on how to stay ahead of cyberthreats.



Raída Khan
Muhammed Kilig



Dan Gould
Aanchal Malhotra

CAL POLY

Ryan Solorzano
Marco Zuñiga

Carnegie Mellon University
Information Networking Institute

Nicholas Amon
Ankit Jena
Jamie Thorpe
Era Vuksani



Abhishek Shah
Mohamed Tarek



Ghassen Kilani
Giordano Benitez Torres



Sean McCoy
Mei Nelson



Celine Irvane
Elizabeth Krizay



Jennifer Li
Kalyani Bansidhar Pawar



Peter Griggs
Cattalya Nuengsigkapan



Chris Fennell
Matt Pasco



William Lee
Kaleb Thornton



Preston Moore
Melisa Savich



Patrick Hines
John Jenkins



Iffat Anjum
Sarah Elder



Ankit Kumar
Tien Vo-Huu



Will Paetsch
Jared Trigili



Timothy Bagiackas
Jason Bays
Mikaela Brower
Nicolás Villacís Vukadinović



Qiao Kang
Jonathan Sharman



Ross Ewald
Francesca Ginexi



Nathan Powell
Casey Stephens



Melissa Griffith
Vy-An Phan



Daren Childers
J.M. Porup



Somdutta Bose
Jiyu Chen



Vivek Arte
Hannah Davis



David W. H. A. da Silva
Simeon Wuthier



Vignesh Babu
Hoang Hai Nguyen



Courtland Climer
Robert Morrison



Christiane Brown
Eliot Jung



A. Pinar Ozisik



Rawan Al-Shaar
Ghaith Husari



Megan Andersen
Ayman Siraj



Safwa Ameer
Mohd Amjad Sabra
Victoria St. John



Tricia Dang
Christian Sylvester



Morgan Giraud
Cordell Maas



Allison Gibson
Jaynie Shorb



Yared Beyene
Michael Smith



Chandler Cain
Jason McGinthy

Come by and meet the RSAC Security Scholar Class of 2019 at the Poster Board Exhibition on Wednesday, March 6, from 2 PM to 3 PM in Moscone West, Level 2.

PREMIER RSAC SECURITY SCHOLAR AND RSAC COLLEGE DAY SPONSORS:



RSAC AdvancedU

RSAC AdvancedU teaches cyber-awareness for children, provides outreach to college students to encourage a career in information security and supports education throughout the various stages of a career within the industry. RSAC AdvancedU includes the following pillars:

RSAC CYBERSAFETY INITIATIVE

The RSAC CyberSafety Initiative raises awareness of the dangers you face when you are online. In the *RSAC CyberSmart Parents Education Seminar—Keeping Your Family Safe Online* we share the latest research on the online lives and habits of teens and parents.

RSAC SECURITY SCHOLAR

RSAC Security Scholar program works with participating universities to identify 80 college students to attend RSA Conference to learn about the evolving information security industry, forge lasting connections within the community, engage with renowned industry experts and participate in unique learning and team-building events.

ASSOCIATION CREDITS

Our Association Credits program partners with leading information security education associations, such as GIAC, (ISC)² and ISACA, to give attendees the opportunity to receive Continuing Professional Education credits to maintain critical certifications.

RSAC COLLEGE DAY

Offered FREE to current students or recent 2018 graduates, the annual RSA Conference College Day program is the place to explore career options, hear from the best in the field, and network with leading companies looking for professionals to join their workforce.

Participants enjoy two days of Full Conference privileges on Thursday, March 7, and Friday, March 8, 2019, which gains them access to over 150 sessions and keynotes, and over 650 exhibitors. Students are also invited to an exclusive networking breakfast with sponsor panel and evening open house to meet some of the industry's top professionals and corporate sponsors.

Check out the agenda at:
www.rsaconference.com/collegeday

RSAC SECURITY SCHOLAR AND RSAC COLLEGE DAY PREMIER SPONSORS:



NBCUniversal

RSA



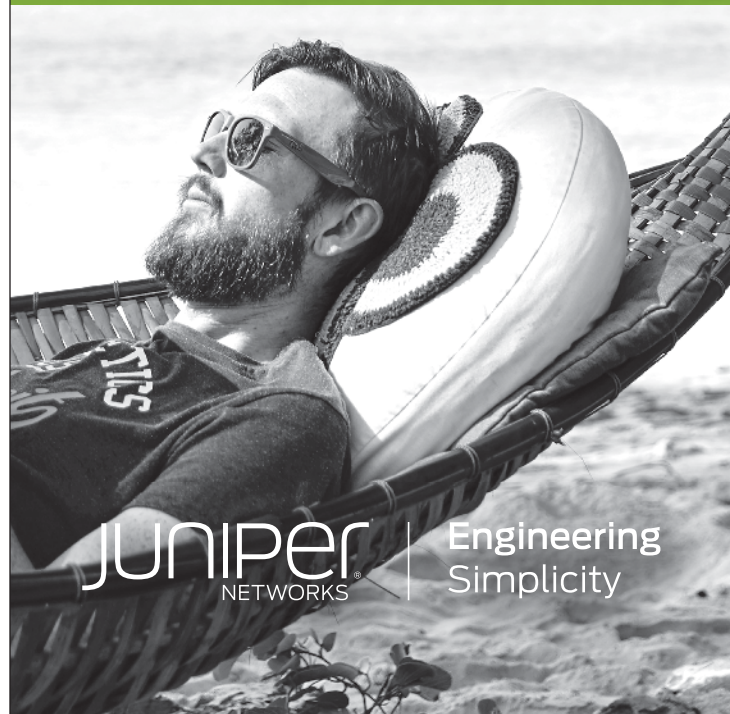
Automate your security.

See your network.

Protect your clouds.

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YOU COVERED,
SO YOU CAN
FINALLY TAKE A
VACATION.

Visit us at booth N 5859 to learn more.



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GENERAL INFORMATION

Absorb content and hear differing perspectives through a variety of innovative methods during RSA Conference 2019.

BIRDS OF A FEATHER*

Come join us for the Birds of a Feather sessions mornings (7 – 7:50 AM) and afternoons (12:40 – 1:30 PM) on Wednesday and Thursday! Grab your breakfast or lunch and bring it to the discussion rooms. Some topics are pre-defined and led by speakers, others will develop organically; by design, this is loosely structured to give you an opportunity to network and set the agenda for discussions of interest to you. Only open to Full Conference Pass holders.
Note: Press is not permitted in Birds of a Feather sessions.

CLASSROOM

Classroom sessions are traditional presentations delivered by one to two presenters, following slide decks that are available from the Conference site. Presentations are concluded with audience Q&A.

LEARNING LABS*

Learning Labs provide highly interactive, facilitated learning experiences. All of the content is very hands-on and small group oriented. Seating is limited in Labs, assuring maximum engagement and participation. Labs are open to Full Conference attendees only; utilize Reserve a Seat to schedule your participation. Due to the popularity of the Learning Labs, you can only reserve one Lab on your schedule, so pick carefully from our 20 great offerings.
Note: Press is not permitted in Lab sessions.

NORTH & SOUTH EXPO BRIEFING CENTERS

Get tactical help with the pressing challenges you face each day. Technical experts from our Expo vendors present short demonstrations to help you make strategic plans and purchase decisions for your organization.

RSAC[®]
After Hours

BETTER.

More options. More fun. **RSAC After Hours.**

Blow off some steam with **RSAC After Hours**. Previously called the “RSAC Bash,” RSAC After Hours offers Full Conference and Discover Pass holders the chance to hang out with industry peers and colleagues in a setting of their choice. Choose one of our three unique RSAC After Hours events on Tuesday, Wednesday and Thursday nights of Conference.

RSAC After Hours: Game Night

Tuesday, March 5, 7:00 – 9:30 PM
Moscone West, Level 2

As a cybersecurity all-star, you’ll enter the event with VIP treatment. Then it’s off to the races. In the Full Court, you’ll go head to head with other industry players in our arcade and game hall. Then take a load off in the sports lounge and bar, complete with a live DJ and tailgate-themed refreshments. And at 7:30, the night really gets going as the Celtics face off against the Warriors—live and on the big screen. It’s cybersecurity’s biggest game of the year, and trust us, you don’t want to miss any of the action.

RSAC After Hours: Whiskey & Wine Tasting

Wednesday, March 6, 6:30 – 8:00 PM,
Marriott Marquis, Golden Gate B

What pairs well with RSA 2019? A whiskey & wine tasting, of course. Kick off the night with a walk through the “underground cellar.” Then, gather in the lounge to sip on an assortment of wines and whiskeys expertly selected from local vineyards and distilleries while soaking up the jazzy sounds of our live band. And keep the night going in our group tasting area, where you can mingle with other cybersecurity connoisseurs and raise a glass to another great year at RSA Conference.

RSAC After Hours: Comedy Club

Thursday, March 7, 6:30 – 8:30 PM,
Moscone South, South Stage

You’re good for a network backup. How about a laugh? Get your fill at RSAC After Hours: Comedy Club. Stroll in and strike a pose on the red carpet before taking your seat in the front row of our very own comedy club. Serving up bottomless laughs—plus delicious food and cocktails—some of the funniest comedy acts around will take the stage, adding some good humor to a busy week. Now, who said cybersecurity professionals were all business?

Flexibility. Fun. What’s not to love?

Space is limited so be sure to reserve a seat for your RSAC After Hours event today.

PANEL DISCUSSIONS

Panel sessions are traditional format, featuring a moderator and several panelists representing different viewpoints. The discussions are concluded with audience Q&A.

PEER2PEER SESSIONS*

P2P sessions enable groups of no more than 30 people that share a common interest to come together and productively explore a specific security topic, with discussion facilitated by an experienced practitioner. **Note: Press is not permitted in Peer2Peer sessions.**

RSAC EARLY STAGE EXPO BRIEFING CENTER

Get tactical help with the pressing challenges you face each day. Technical experts from our Early Stage Expo exhibitors present short demonstrations showcasing new approaches from up and coming vendors.

* Open to Full Conference Pass holders only.

† Trainings and Tutorials are offered for an additional fee.

RSAC SANDBOX

RSAC Sandbox 2019 offers hands-on experiences addressing, discussing and simulating threats and vulnerabilities in IoT devices, wireless networks and industrial control systems. It also features the SANS NetWars experience, where you can challenge your infosec skills. The Sandbox is open to all badge types, except on Tuesday when it's open to Full Conference Pass holders, Tuesday One-Day Full Conference Pass holders, Press and CyBEER Ops ticket holders only.

SEMINARS

Start your Conference week on a high note, meeting other practitioners and engaging in these focused Monday seminars. Our seminar portfolio and topics have expanded this year, so be sure to explore all of the options.

Check the appropriate sessions details pages (pp. 41 – 43) for access information. Some seminars are open to all badge types and some seminars are only open to Full Conference and Discover Pass holders.

TRAININGS & TUTORIALS[†]

Immerse yourself in intensive, skill-building two-day sessions on Sunday/Monday of Conference week. Trainings & Tutorials are led by respected authorities from the **SANS Institute, CSA, ISACA** and **(ISC)²**. Please note, the Trainings & Tutorials are available for purchase.

Instead of just stopping threats, learn why human-centric cybersecurity is not just the fastest way to proactively identify risk and protect your people, critical data, and networks —it's the only path to long-term success.

Forcepoint Speaking Session

Who Watches the Watchers: IP Protection for Privileged Users

- Dr. Richard Ford, Chief Scientist at Forcepoint
- Location: Moscone South Esplanade 151
- Wednesday, March 6 from 2:50 to 3:40 p.m.

It's time for
**human-centric
cybersecurity**

Visit us at booth
N 5969

 **FORCEPOINT**

ANALYTICS, INTELLIGENCE & RESPONSE

[AIR] Analytics, Intelligence & Response covers the application of investigative and analytic techniques that help organizations anticipate, identify, contain, investigate and resolve incidents in the enterprise. It also explores threat intelligence gathering, automating response and sharing across technologies and organizations.

APPLICATION SECURITY & DEVSECOPS

[ASEC] Application Security & DevSecOps focuses on secure software development as well its intersection with security operations. Sessions will focus on sharing real-world, enterprise-level experience, covering topics such as secure application design, secure configurations, containerization and secure development methodologies.

ASSOCIATION SPECIAL TOPICS

[AST] Navigate the association landscape and learn about opportunities in training, best practices, credentialing, special programs, and career development from leaders in the field.

BLOCKCHAIN & APPLIED CRYPTO

[BAC] Explore emerging use cases and practical applications for this rapidly changing, transformative technology. Topics include encryption, distributed ledgers, cryptocurrency, decentralized identity, tokenization, key management, homomorphic encryption and the implications of quantum computing on encryption.

BRIDGING THE GAP: CYBERSECURITY + PUBLIC INTEREST TECH

[PITC] A new field is emerging—a community of people using their skills in technology to change the world for the better: the professional field of public interest technology. There is a need to bridge the gap between what technologists are trying to build and what social scientists are trying to address. Join us for an inspiring track with cybersecurity expert Bruce Schneier and over a dozen leading security, civic and social sector leaders.

Brought to you by Bruce Schneier and the Ford Foundation



C-SUITE VIEW

[CXO] This track focuses on the intersection of business and security. It features experiences and opinions of CXOs, communicating cyber-risk to the board, and the latest trends and issues in information security that impact the executive suite.

CLOUD SECURITY & VIRTUALIZATION

[CSV] The Cloud Security & Virtualization track includes sessions on the security aspects of using and leveraging cloud services, virtualization technologies/ services, segmentation, deployment models, network function virtualization and hybrid architectures.

CRYPTOGRAPHY

[CRYP] This academically focused and refereed track for mathematicians and computer scientists offers presentations of the very latest papers about the science of cryptography.

CYBERSECURITY FUTURE PROOF: 2025

[CSFP] What does the world look like in 2025? What technology, process and staffing considerations should you be making now to prepare for whatever may lie in the future to put you ahead of the adversary? Cybersecurity Future Proof: 2025 delivers a rare look into the security crystal ball and includes traditional presentations and interactive lab-like sessions, designed for the cross-section of RSA Conference attendees from technology, business, academia, policy and law, to help frame your future thinking.

GOVERNANCE, RISK & COMPLIANCE

[GRC] This track covers the creation and implementation of risk management frameworks, compliance-related sessions on standards, and instituting governance across the extended enterprise. This track also contains sessions on a wide variety of security metrics and measurements.

HACKERS & THREATS / HACKERS & THREATS ADVANCED

(two tracks)

[HT] & **[HTA]** Hackers & Threats sessions include discussions around the growing underground economy, advanced threats, ransomware, cyber-weapons, new classes of vulnerabilities, exploitation techniques, reverse engineering, and how to combat these problems. The second track, Hackers & Threats Advanced, is technically advanced and will include live demos and code dissection.

HUMAN ELEMENT

[HUM] This track explores how people make trust choices, innovative ways to secure the human, and how classic attacks and emerging threats now include a human element. Topics include social networking/ engineering, insider threats, information operations, and user behavior analytics.

IDENTITY

[IDY] This track covers the processes, technologies and policies for managing and controlling digital identities across the extended enterprise.

KEYNOTES

[KEY] RSAC keynote speakers are inspiring leaders, thinkers, and innovators that will share perspectives and knowledge on the information security industry. Don't miss the action on two stages this year: South and West.

LAW

[LAW] The Law track explores topics ranging from unintended consequences due to legislation, legal rulings, liability, and emerging issues on the legal landscape.

Sponsored by:



MACHINE LEARNING & ARTIFICIAL INTELLIGENCE

[MLAI] Sessions examine the applications and limitations of machine learning and artificial intelligence in cybersecurity, exploring fundamentals, applications, potential to address workforce shortages, automation, and future evolution of capabilities.

MOBILE & IoT SECURITY

[MBS] This track provides focused discussion on policies, processes and technologies for managing mobile security in the enterprise, including device management and emerging threats to mobile platforms. It will also explore the challenges posed by the Internet of Things and the implications of the interconnectivity of everything.

POLICY & GOVERNMENT

[PNG] This track features sessions on current and proposed government strategies, policies, legislation, and standards that could shape the direction of cloud computing, cyber-norms, public private-partnerships, big data initiatives, cyberthreat intelligence sharing, industry standards, and security compliance requirements for years to come.

PRIVACY

[PRV] This dedicated half-track explores the privacy issues related to big data, social media, cloud, legislative changes, IoT, and other emerging technologies and processes in the enterprise.

PROFESSIONAL DEVELOPMENT

[PROF] Professional Development covers technical and business/management training, professional certifications and career development, diversity as well as staff and personnel management.

PROTECTING DATA & THE SUPPLY CHAIN ECOSYSTEM

[PDAC] This track explores the cascading security requirements of the extended enterprise and the classification, tracking, and protection of data. It covers data protection regulations, DLP and threats to sensitive data, and emerging trends, as well as vendor and partner SLAs, supply chain mapping, continuous enforcement, and how to future-proof vendor contracts and risk assessments for evolving requirements.

SECURITY MASHUP

[MASH] This track includes interesting speakers and sessions on a wide range of topics not found anywhere else during the week.

SECURITY STRATEGY & ARCHITECTURE

[STR] Security Strategy & Architecture covers the policy, planning, and evolving areas of enterprise security architecture and the management issues of implementing successful security programs. Sessions will include the structures and tools needed to build a security program that enables and enhances business processes, cyber-resiliency, and cyber-hygiene.

SPONSOR SPECIAL TOPICS

[SPO] Listen to a spectrum of experts and security issues delivered and discussed by leading-edge companies.

TECHNOLOGY INFRASTRUCTURE & OPERATIONS

[TECH] This track focuses on the most interesting and challenging elements of current and emerging security infrastructure, providing a highly technical view on strategic planning, implementation, orchestration, vulnerability assessment, and security monitoring for the defense of networks, endpoints, operational technology, and systems.

VISIT US AT BOOTH N 6069

A MORE
SECURE
EVERYWHERE



BRIDGING THE GAP: CYBERSECURITY + PUBLIC INTEREST TECH



Our work in cybersecurity is inexorably intertwined with public policy and—more generally—the public interest.

It's obvious in the debates on encryption and vulnerability disclosure, but it's also part of the policy discussions about the Internet of Things, cryptocurrencies, artificial intelligence, social media platforms and pretty much everything else related to IT.

This societal dimension to our traditionally technical area is bringing with it a need for public-interest technologists. This is a catch-all category of technologists who are doing public policy work, or technology for public good, or technology within organizations doing broader public good. It's a growing field—one far broader than cybersecurity—and one that I want to focus on here at RSA Conference.

Together with the Ford Foundation, I have put together a mini-track on public-interest tech. Six sessions throughout the day on Thursday will highlight different aspects of this important work. We'll look at public-interest technologists inside governments, as part of civil society, at universities, and in corporate environments.

We all need to help. I don't mean that we all need to quit our jobs and go work on legislative staffs; there's a lot we can do while still maintaining our existing careers. We can advise governments

and other public-interest organizations. We can agitate for the public-interest inside the corporations we work for. We can speak at conferences and write opinion pieces for publication. We can teach part-time at all levels. But some of us will need to do this full-time.

There's an interesting parallel to public-interest law, which covers everything from human-rights lawyers to public defenders. In the 1960s, that field didn't exist. The field was deliberately created, funded by organizations like the Ford Foundation. They created a world where public-interest law is valued. Today, when the ACLU advertises for a staff attorney, paying a third to a tenth of a normal salary, it gets hundreds of applicants. Today, 20% of Harvard Law School grads go into public-interest law, while the percentage of computer science grads doing public-interest work is basically zero. This is what we need to fix.

Please stop in at my mini-track. Come for a panel that interests you, or stay for the whole day. Seek me out to talk about this further. Pretty much all the major policy debates of this century will have a strong technological component—and an important cybersecurity angle—and we all need to get involved.

Best,

Bruce Schneier
Fellow and Lecturer, Harvard Kennedy School

THURSDAY, MARCH 7 – Moscone South 301*

9:20 AM – **Introduction: Public Interest Technologists and Cybersecurity** PITC-R03

MODERATOR: J. Bob Alotta, Astraea Foundation
PANELISTS: Matt Mitchell, Tactical Tech; Bruce Schneier, Fellow and Lecturer, Harvard Kennedy School

10:40 AM – **Public Interest Tech in Silicon Valley** PITC-R05

11:30 AM *Mitchell Baker, Chairwoman, Mozilla Corporation; Cindy Cohn, EFF*

12:00 PM – **Working in Civil Society** PITC-R07

12:50 PM *Sarah Aoun, Digital Security Technologist; Peter Eckersley, Partnership on AI; Harlo Holmes, Director of Newsroom Digital Security, Freedom of the Press Foundation; John Scott-Railton, Senior Researcher, Citizen Lab*

1:30 PM – **Government Needs You** PITC-R09

2:20 PM *Travis Moore, TechCongress; Hashim Mteuzi, Senior Manager, Network Talent Initiative, Code for America; Gigi Sohn, Distinguished Fellow, Georgetown Law Institute for Technology Law & Policy; Ashkan Soltani, Independent Consultant, Soltani LLC*

2:50 PM – **Changing Academia** PITC-R11

3:40 PM *Latanya Sweeney, Harvard; Danny Weitzner, MIT CSAIL*

4:10 PM – **The Future of Public Interest Tech** PITC-R14

5:00 PM *MODERATOR: Jenny Toomey, Director, Internet Freedom, Ford Foundation*
PANELISTS: Bruce Schneier, Fellow and Lecturer, Harvard Kennedy School; Ben Wizner, ACLU

* See Session Detail pages for session abstracts. Open to Full Conference Pass holders only.

READING LIST:

Public interest technology resources page:

<https://public-interest-tech.com>

Essay on public interest technology for IEEE Security & Privacy by Bruce Schneier:

https://www.schneier.com/essays/archives/2019/02/public-interest_tech.html

Freedman Consulting report on public interest tech:

The URL is complicated; Google "freedman pivotal moment"

In partnership with:



FORDFOUNDATION

Enrich your RSA Conference 2019 experience and take advantage of these networking events and activities to connect with like-minded peers.

CyBEER OPS NETWORKING RECEPTION & INTERNATIONAL MEET-UP* Delight in local California craft beers and non-alcoholic drinks as you mingle with peers and RSAC friends from around the world. This event occurs on Tuesday from 4:45 to 6:30 PM in the RSAC Sandbox and RSAC Early Stage Expo on the Yerba Buena level of the Marriott Marquis. *Event is free for Full Conference attendees and Press. All other badge holders can purchase tickets through registration for a fee of \$25. Event access is restricted to attendees 21 and over and is first come, first served.*

EXPO PUB CRAWL Enjoy your choice of complimentary beer, wine and non-alcoholic beverages as you visit sponsoring companies' booths to learn about their latest products, services and innovations. Located at select sponsor booths within the Expo on Wednesday, March 6, from 4:30 – 6 PM.

FIRST-TIMERS MEET-UP* Wednesday, March 6 & Thursday, March 7, 7:00 AM – 8:00AM, Moscone West Level 2 Alcove
Start the day with a meet-up with other RSAC First-Timers. Grab your complimentary breakfast and enjoy this time to regroup, share takeaways and, of course, caffeinate.

FIRST-TIMERS ORIENTATION & NETWORKING RECEPTION* Join other RSA Conference first-time attendees for an informative session and networking reception on Monday, March 4, from 4 – 5 PM at the Marriott Marquis, Golden Gate A. This event is open to Full Conference Pass holders and features a 30-minute presentation followed by a 30-minute networking reception with light refreshments.

POWER PAUSE—MINDFULNESS & MOVEMENT Wednesday, March 6 & Thursday, March 7, 6:00 AM – 7:00AM, Moscone West Level 2 Alcove
This event is designed for the dreamers, doers, entrepreneurs, go-getters, hustlers and game changers. If you want to discover ways to maximize your performance and achieve greater results, this session is for you. This yoga class and meditation session is designed for all levels from beginners to advanced practitioners. Wear athletic attire and show up as you are.

RSAC AFTER HOURS** Blow off some steam with RSAC After Hours. Previously called the “RSAC Bash,” RSAC After Hours offers Full Conference and Discover Pass holders the chance to hang out with industry peers and colleagues in a setting of their choice. Choose one of our three unique RSAC After Hours events on Tuesday, Wednesday or Thursday nights of the Conference.
RSAC After Hours: Game Night on Tuesday, March 5, 7:00 – 9:30 PM, Moscone West, Level 2
RSAC After Hours: Whiskey & Wine Tasting on Wednesday, March 6, 6:30 – 8:00 PM, Marriott Marquis, Golden Gate B
RSAC After Hours: Comedy Club on Thursday, March 7, 6:30 – 8:30 PM, Moscone South, South Stage
Flexibility. Fun. What’s not to love? Space is limited so be sure to reserve a seat for your RSAC After Hours event today.

RSAC WOMEN’S LEADERSHIP CELEBRATION RECEPTION On Monday, March 4, 4:30 – 6:00 PM, in Moscone South 303, after our *She Speaks Security* seminar, join us in celebrating the contributions and rich history of women in science and technology. Hosted with our planning partners: Women’s Society of Cyberjutsu, Executive Women’s Forum on Information Security, Risk Management and Privacy (EWF), The Diana Initiative, Women in Security and Privacy (WISP) and Women in CyberSecurity (WiCyS). All RSA Conference attendees are welcome to attend.

SOCIAL MEDIA & TWITTER CHAT Socialize with us! Follow @RSACConference on Twitter and the #RSAC hashtag for live updates from the Conference floor. We’ll be live tweeting and posting photos and videos to share all RSAC 2019 happenings with you.
@RSACConference will also be hosting a Twitter Chat sponsored by NCSA at 11 AM on Tuesday, March 5. Follow the #RSAC hashtag to participate!

Sponsored by:



WELCOME RECEPTION Join your peers in the Expo while kicking off RSA Conference in style at the Welcome Reception. Enjoy drinks and light fare on Monday, March 4, from 5 – 7 PM. Get exclusive access to the exhibitors you’ve been waiting to meet; network with peers as you preview cutting-edge products from more than 650 leading information security companies.

Sponsored by:



* Open to Full Conference Registrants only.

** Open to Full Conference, Full Conference One-Day (for day of admittance) and Discover Pass holders.

8:00 AM	WEST STAGE	OPENING
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8:10 – 8:35 AM	WEST STAGE	KEY-T01W
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The Trust Landscape

Rohit Ghai, President, RSA; **Niloofar Razi Howe**, Cybersecurity Strategist, Entrepreneur



We stand at a remarkable inflection point in our digital evolution, facing an unprecedented assault on trust. In a hyperconnected world, where malicious or manipulative activity can be spread to millions in an instant, information itself is a battlefield with the power to erode trust in society's most sacred institutions. How can we tackle such a consequential challenge? The notion of risk must be properly defined in this modern digital context. Adopting the right understanding of risk not only restores our faith in what matters most but is ultimately the catalyst for human progress.

8:35 – 8:55 AM	WEST STAGE	KEY-T02W
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Lightning in a Bottle, or Burning Down the House?

Dr. Celeste Fralick, Chief Data Scientist, McAfee, LLC; **Steve Grobman**, Senior Vice President and Chief Technology Officer, McAfee, LLC



Fire. In the wild, it's a force for destruction. Controlled, it powers civilization's forward evolution. But containing phenomena—natural or manmade—is a devilish challenge. Innovations that strengthen our defenses can also fuel targeted attacks, so the weaponization of AI to amplify the impact of cyberattacks is enough to give anyone pause. Discussion of its delegation at scale across our organizations is a worthy conversation. What is the path forward to advance and protect human progress? How do we nurture sparks of innovation without burning bridges to the future?

8:55 – 9:15 AM	WEST STAGE	KEY-T03W
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Rise of the Machines: Staying Ahead of the Next Threat

Liz Centoni, Senior Vice President | General Manager Cisco IoT, Cisco; **Matt Watchinski**, Vice President, Global Threat Intelligence Group, Talos, Cisco



The robots are coming, and they are connected to the Internet. Are we prepared to defend this new attack surface, which is exponentially greater than what we protect today? Our primary focus of the last decade was identifying and containing costly data breaches. The new frontier of connected devices represents the next generation of threats. Hear why you need to get in front of this cycle and how leaders can collaborate across security, information technology and operations to translate early lessons into successful defense strategies.

9:20 – 10:05 AM	WEST STAGE	KEY-T04W
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The Cryptographers' Panel

MODERATOR: Zulfikar Ramzan, Ph.D., Chief Technology Officer, RSA

PANELISTS: Whitfield Diffie, Cryptographer and Security Expert, Cryptomathic; **Shafi Goldwasser**, Director, Simons Institute for the Theory of Computing; **Ronald Rivest**, Professor, Massachusetts Institute of Technology; **Adi Shamir**, Borman Professor of Computer Science, The Weizmann Institute, Israel



Humans have been using cryptographic techniques since the dawn of time to safeguard their data and achieve confidentiality, integrity, authenticity and privacy of their communications. Cryptography has evolved in the face of the Internet and has enabled advances like e-commerce. Join the founders and leaders of the field as they discuss what the future holds in the face of increased hyperconnectivity and digital transformation.

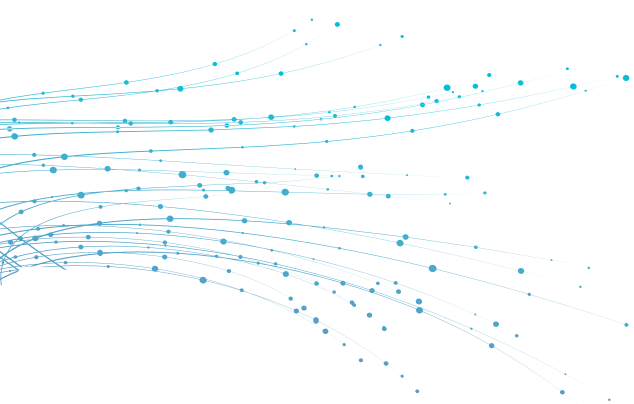
10:05 – 10:30 AM	WEST STAGE	KEY-T05W
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The FBI: At the Heart of Combating Cyberthreats

Susan Hennessey, Senior Fellow, Governance Studies, The Brookings Institution and Executive Editor, Lawfare; **Christopher A. Wray**, Director, Federal Bureau of Investigation



FBI Director Christopher Wray will discuss how the FBI's unique position as the lead domestic US law enforcement and intelligence agency is central to US government efforts to counter criminal and national security cyberthreats to the United States and its citizens. Director Wray will participate in a fireside chat-style interview to discuss the cyberthreats and technological challenges that face America.



11:00 – 11:50 AM

SOUTH STAGE

KEY-T06S

Top 10 Ways to Make Hackers Excited: About the Shortcuts Not Worth Taking

Paula Januszkiewicz, Chief Executive Officer, CQURE

Designing secure architecture can always be more expensive, time consuming, and complicated. Come to the session and learn what mistakes were eliminated when working with customers.



2:20 – 3:10 PM

SOUTH STAGE

KEY-T08S

Security at 36,000 Feet!

Emily Heath, Vice President and Chief Information Security Officer, United Airlines

Ladies and gentlemen, the fasten seatbelt sign is on! Join us for an engaging discussion on how an evolving and constantly moving security program is run at one of the world's largest airlines.



1:00 – 1:50 PM

SOUTH STAGE

KEY-T07S

A Cloud Security Architecture Workshop

Dave Shackelford, Senior Instructor, SANS Institute

Core cloud security architecture best practices, based on too many projects and deployments to count. This session will quickly bring you up to speed on cloud security architecture design principles.



3:40 – 4:30 PM

SOUTH STAGE

KEY-T09S

Lessons Learned from 30+ Years of Security Awareness Efforts

Ira Winkler, President, Secure Mentem

This session will cover 30+ years of experience in examining the science and practice of awareness and defines what works and what doesn't in reducing user-related risk.



Protect applications with intrinsic security.

When security is built in and aligned to your applications, you have the freedom to innovate.

Use VMware software to:

- Reduce attack surface
- Simplify security operations
- Secure at DevOps speed

Visit us at booth **N 5655** to discover how to protect your apps from the data center to the cloud to the device.

vmware[®]

8:00 – 8:50 AM SOUTH STAGE KEY-W025

Hacking Exposed: LIVE— Bypassing NextGen


 **Stuart McClure**, Chairman and Chief Executive Officer, Cylance Inc.; **Brian Robison**, Chief Evangelist, Cylance Inc.

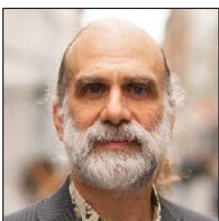


In typical Hacking Exposed style, this session will deliver the latest and greatest hacks in live demonstrations that will illuminate the tools and techniques of the attacker.

9:20 – 10:10 AM SOUTH STAGE KEY-W035

The Role of Security Technologists in Public Policy

 **Bruce Schneier**, Fellow and Lecturer, Harvard Kennedy School



The defining policy question of the Internet age is this: How much of our lives should be governed by technology, and under what terms? We need to be involved in that discussion.

10:30 – 10:55 AM WEST STAGE KEY-W04W

The Power of People: Amplifying Our Human Capacity through Technology and Community

Ann Johnson, Corporate Vice President, Cybersecurity Solutions Group, Microsoft



Cybersecurity is at an inflection point. We are witnessing people being empowered by technology, while large gaps are forming that threaten their ability to amplify human capacity. In order to grow and maximize our potential, we must acknowledge those gaps and close them by bringing diverse sets of people and data together. Machine learning, artificial intelligence and automation hold promise for closing the security gaps, but the battle to solve the critical challenges we face around the world requires much more, including renewed efforts to recruit new cybersecurity professionals outside traditional channels, caring for the mental health of these first-line defenders, while growing and nurturing the power of everyone, everywhere.

10:55 – 11:15 AM WEST STAGE KEY-W06W

Palo Alto Networks and Arista Networks CEOs Reveal Secrets to a Successful Cloud Journey

Nikesh Arora, Chief Executive Officer and Chairman, Palo Alto Networks; **Jayshree Ullal**, President and Chief Executive Officer, Arista Networks



Palo Alto Networks CEO Nikesh Arora and Arista Networks CEO Jayshree Ullal offer their unique blend of trend spotting and straight-shooting business observations as they discuss the opportunity and the perils organizations face as they make their journey to the cloud. Both executives have led cloud-based businesses through massive growth and have seen how the pace of innovation can serve as an accelerate on a global scale. Come hear them share their views on how to harness digital transformation in a world that poses ever-present cyberthreats and the importance of diverse perspectives.

11:15 – 11:55 AM WEST STAGE KEY-W07W

Weaponization of the Internet

MODERATOR: **Ted Schlein**, General Partner, Kleiner Perkins

PANELISTS: **Nathaniel Gleicher**, Head of Cyber Security, Facebook; **Del Harvey**, Vice President, Trust and Safety, Twitter; **Robert Joyce**, Senior Advisor, National Security Agency; **Peter Warren Singer**, Strategist, New America



The internet promised all an equal voice in public discourse, but bots and rogue advertising are being used to manipulate public opinion, critically threatening public dialog. Globally, nation states, partisan agencies and political parties have grabbed the internet & social media reins to spread disinformation. This panel explores issues involved in controlling the internet, censorship and the impact on democracy.

Choose the way you want to view the keynote presentations:



In person in two locations this year: Moscone West Street Level & Moscone South Esplanade Level (space is limited)

Alternate viewing areas: Moscone West Levels 2 & 3



Online and on the go at www.rsaconference.com/live

1:30 – 2:20 PM

SOUTH STAGE

KEY-W10S

Strategic Competition: The Rise of Persistent Presence and Innovation

Olivia Gazis, *Intelligence and National Security Reporter, CBS News*; **General Paul Nakasone**, *United States Army, Commander, United States Cyber Command, Director, National Security Agency, Chief, Central Security Service*



Threats have moved well beyond exploitation and disruption to destruction and corrosion. Hear how NSA and USCYBERCOM use counterthreats to defend our nation.

2:50 – 3:40 PM

SOUTH STAGE

KEY-W12S

From Dystopia to Opportunity: Stories from the Future of Cybersecurity

Amit Elazari, *Director, Global Cybersecurity Policy, Intel Corporation, and Lecturer, UC Berkeley School of Information (MICS)*; **Keren Elazari**, *Analyst & Researcher, K3r3n3.com*



A hacker and a lawyer confront the future of cybersecurity: How are evolving attack trends impacting policy landscapes? Can trust become a feature? What can hackers do for you? Embrace what's next.

4:00 – 4:25 PM

WEST STAGE

KEY-W14W

A View from the Front Lines of Cybersecurity

Sandra Joyce, *Senior Vice President, Global Intelligence, FireEye*; **Kevin Mandia**, *Chief Executive Officer, FireEye*



As one of the foremost experts in cybersecurity, Kevin Mandia will discuss today's threat environment and its impact on enterprises and agencies around the world. He will be joined on stage by Sandra Joyce, FireEye's senior vice president of Global Intelligence, who will share insight into the threat actors, tactics and trends that are likely to play an integral role in the landscape of cybersecurity in the years to come.

4:25 – 4:50 PM

WEST STAGE

KEY-W16W

A Conversation with Donna Brazile and Mary Matalin

Donna Brazile, *Veteran Democratic Political Strategist, Adjunct Professor, Author and Syndicated Columnist*; **Mary Matalin**, *Celebrated Conservative Voice and Former Presidential Advisor*



For over three decades, Matalin and Brazile have maintained an intense philosophical commitment to their respective politics, along with a deep, mutual admiration and respect for each other on both the personal and professional levels. Together, the pair provides insightful, inspiring and informative commentary, as well as a welcome reprieve to the often-overwrought modern political landscape.

4:50 – 5:15 PM

WEST STAGE

KEY-W17W

How Technology and Innovative Approaches Can Transform Your Organization

Megan Smith, *Chief Executive Officer, shift7, Third Chief Technology Officer of the United States (2014-2017)*



As the third chief technology officer of the United States, Megan Smith fundamentally altered the composition of the Federal Government. Her team recruited top talent "rabble-rousers" from Silicon Valley and other tech sectors to address such critical issues as artificial intelligence, education and training, urban and rural poverty, data science, and economic inclusion. Smith will describe how they teamed up with colleagues to employ their talents and adopt new approaches to using data, innovation and rapid iteration in order to create a more open, collaborative and responsive government—and will explain how your company can do the same.

RSAC[®] LoyaltyPlus

Our RSAC LoyaltyPlus Program is offered to eligible Full Conference Pass holders who have attended a total of five or more RSA Conferences. As an RSAC LoyaltyPlus member, you will enjoy many benefits, including:

- Fastlane access to Tuesday keynotes
- Reserved check-in counter at registration
- Exclusive access to the LoyaltyPlus lounge with snacks and drinks and recharge stations.

LOYALTYPLUS LOUNGE HOURS:

Monday	8:00 AM – 5:30 PM
Tuesday	6:30 AM – 4:30 PM
Wednesday	7:00 AM – 5:30 PM
Thursday	7:00 AM – 5:30 PM
Friday	8:00 AM – 1:30 PM

RSAC LoyaltyPlus Lounge location: Moscone West Level 2

8:00 – 8:50 AM SOUTH STAGE KEY-R02S

Stress, Burnout and You: Fireside Chat with Dr. Christina Maslach



 **Josh Corman**, Chief Security Officer, PTC; **Christina Maslach**, Professor of Psychology, Emerita, University of California, Berkeley



Become hyperaware of the impact of stress and the fallout that leads to profound industry issues like burnout and toxicity. Help to be a champion of wellness in your organization.

9:20 – 10:10 AM SOUTH STAGE KEY-R03S

Hacking Exposed: Hacking Macs

 **Dmitri Alperovitch**, Co-Founder & Chief Technology Officer, CrowdStrike;  **George Kurtz**, Chief Executive Officer, CrowdStrike

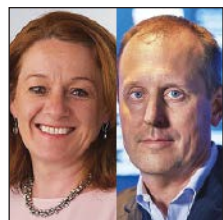


In the typical raw Hacking Exposed style, the session will demonstrate real-world case studies of advanced intrusions on MacOS systems, with detailed breakdown of TTPs and artifacts.

10:30 – 10:55 AM WEST STAGE KEY-R04W

Stop Worrying about the Right Things

Mary O'Brien, General Manager, IBM Security; **Caleb Barlow**, Vice President, IBM Security, X-Force Threat Intelligence



What if you think being hacked is an advantage? Or failure is your goal? Where closed means open? Or if you could guard less to secure more? IBM Security's Mary O'Brien, general manager, and Caleb Barlow, vice president of threat intelligence, share the insights that they've learned running a fully immersive cyber-range, using AI to fight attacks and standing with organizations through difficult situations that challenge conventional thinking.

10:55 – 11:40 AM WEST STAGE KEY-R06W

The Five Most Dangerous New Attack Techniques and How to Counter Them

MODERATOR: **Alan Paller**, Research Director and Founder, SANS Institute

PANELISTS: **Heather Mahalik**, Director of Forensics Engineering, ManTech, and Mobile Forensics Course Director, SANS Institute; **Ed Skoudis**, Instructor, SANS Institute; **Johannes Ullrich**, Dean of Research, SANS Technology Institute



Which are the most dangerous new attack techniques? How do they work? How can you stop them? What's coming next and how can you prepare? This fast-paced briefing features the three people best positioned to provide answers and best able to communicate them: the nation's top expert/teacher on mobile forensics, the director of the Internet Storm Center and the top hacker exploits expert/teacher in the US. They also answer audience questions.

2:50 – 3:40 PM SOUTH STAGE KEY-R11S

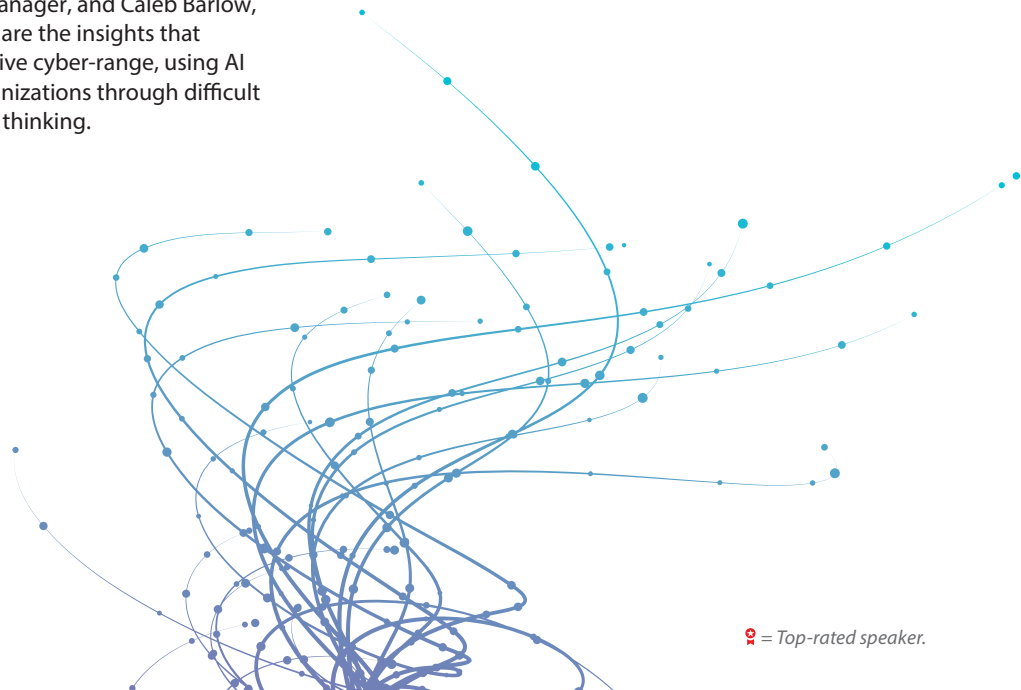
The Future of Data Protection: Adapting to the Privacy Imperative

MODERATOR:  **J. Trevor Hughes**, President & Chief Executive Officer, IAPP

PANELISTS: **Kalinda Raina**, Senior Director, Head of Global Privacy, LinkedIn; **Ruby Zefo**, Chief Privacy Officer, Uber



This session will explore the future of privacy, in which personal data has become a currency impacted by competing regulations, like GDPR and CCPA, and complex ethical and competitive imperatives.



4:00 – 4:25 PM

WEST STAGE

KEY-R13W

Three Things the Security Industry Isn't Talking About (but Should Be)

Pat Gelsinger, Chief Executive Officer, VMware; **Shannon Lietz**, Director, Intuit



The biggest threat to security today is our hyper-focus on threats. Most innovations have centered on finding and dealing with attacks. By contrast, very little has been done in how we shrink the attack surface. That domain needs to be a topic to achieve big gains in security. Join VMware CEO Pat Gelsinger and Intuit DevSecOps Leader Shannon Lietz, as they unveil the three things the industry needs to talk about to reduce the attack surface and shift the advantage to the defenders.

4:45 – 5:30 PM

WEST STAGE

KEY-R16W

Connecting the Dots for the Future

John T. Chambers, Founder and Chief Executive Officer, Jc2 Ventures, Former Chairman and Chief Executive Officer, Cisco; **Diane Brady**, Award-Winning Writer, Author and Consultant



Diane Brady and John Chambers will discuss the process of how they co-wrote their new book, *Connecting the Dots: Lessons for Leadership in a Startup World*. They will also cover Chambers's leadership roles serving as CEO and executive chairman at Cisco up through his current position as founder and CEO of Jc2 Ventures, where he works with startups from all around the world. Chambers will speak to the importance of diverse teams in the development of a successful business and what he looks for when investing in startups.

4:25 – 4:45 PM

WEST STAGE

KEY-R15W

Tales of a Teenage Security Supergirl

Kyla Guru, Founder and Chief Executive Officer, Bits N' Bytes Cybersecurity Education



In her keynote at RSA Conference, Kyla Guru will share her story of being a social entrepreneur in the cybersecurity industry, the challenges she has faced and what she believes should be the greater mission of all cybersecurity initiatives. Guru will use her unique perspective of going through the education system to talk about what she sees for the future of the industry, and, of course, how we can make radical change to our current state of cyber-insecurity.



 **CYBERCRIME
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 **CYBERSECURITY
VENTURES**

Page ONE for the Cybersecurity Industry
Cybercrime Facts, Figures, Predictions and Statistics

KEYNOTES – Friday, March 8

GENERAL INFORMATION

8:30 – 9:20 AM

SOUTH STAGE

KEY-F01S

In the Wake of an Attack: Thoughts from a Seasoned CISO

Bob Lord, Chief Security Officer, DNC;

Hugh Thompson, RSA Conference Program Chair, RSA Conference



Bob Lord has had a front-row seat, security-wise, at many high-profile organizations. Join to learn how he's helping would-be US presidentials to be secure, with sage recommendations that can be useful for all.

9:50 – 10:40 AM

SOUTH STAGE

KEY-F02S

(Girl) Scouting for Talent: The Solution in the Next Generation

Sylvia Acevedo, Chief Executive Officer, Girl Scouts of the USA



Girls are the "secret weapon" of our future, and the opportunity is in your hands to positively impact individuals, businesses and cybersecurity by helping to develop a strong, diverse STEM workforce.

11:10 AM – 12:00 PM

SOUTH STAGE

KEY-F03S

Engineering Trust and Security in the Cloud Era, Based on Early Lessons

MODERATOR: **Quentin Hardy**, Head of Editorial, Google Cloud

PANELISTS: **Suzanne Frey**, Vice President, Engineering, Google Cloud; **Amin Vadhat**, Google Fellow and Networking Technical Lead, Google



In the early Internet, trust was implicit. Now, it's built. Cloud is an opportunity to build securely from the ground up, incorporating lessons from decades of building secure distributed networks.

12:30 PM – 1:15 PM

WEST STAGE

KEY-F04W

CONFERENCE CLOSING

A Conversation with Tina Fey, Writer, Actress and Producer

Please join us on Friday as Hugh Thompson sits down for an insightful conversation with the multitalented Tina Fey.



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BETTER.

Welcome to RSAC's virtual side. RSAC onDemand.

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SANS TUTORIALS

Immerse yourself in an intensive, skill-building two-day session led by respected authorities from the SANS Institute.



Dates: Sunday, March 3 & Monday, March 4
Time: 9:00 AM – 5:00 PM
Location: Moscone West 3003, 3004, 3005, 3006

Each of these SANS Tutorials qualifies you for 12 CPE credits.

Automating Information Security with Python

Mark Baggett

Python is a simple, user-friendly language that is designed to make quickly and easily automate the tasks performed by security professionals. Whether you are new to coding or have been coding for years, this course will have you creating programs that make your job easier and your work more efficient. The self-paced course starts from the very beginning, assuming you have no prior experience or knowledge of programming. It covers all the essentials of the language up front. If you already know the essentials, you will find that the pyWars lab environment allows you to quickly accelerate to more advanced material. You will learn the skills you need to customize or even build tools that empower you to automate the daily routine of today's cybersecurity professional and achieve more value in less time.

Critical Security Controls: Planning, Implementing and Auditing

James Tarala

This course helps you master the specific, proven techniques and tools needed to implement and audit the Critical Security Controls as documented by the Center for Internet Security (CIS). The Critical Security Controls are rapidly becoming accepted as the highest priority list of cybersecurity measures that must be implemented and proven before anything else at nearly all serious and sensitive organizations. The controls were selected and defined as the best way to block known attacks and find and mitigate damage from attacks that get through. For security professionals, this course enables you to see how to put the controls in place in your existing network though effective and widespread use of cost-effective automation. For auditors, CIOs and risk officers, the course is the best way to understand how you will measure whether the controls are effectively implemented.

Lethal Threat Hunting and Incident Response Techniques

Eric Zimmerman

Prevention systems alone are insufficient to counter focused human adversaries who know how to get around most security and monitoring tools. The key is to look constantly for attacks that get past security systems and to catch intrusions in progress rather than after attackers have completed their objectives and done worse damage to the organization. For the incident responder, this process is referred to as "threat hunting," which involves using known adversary behaviors to proactively examine networks and endpoints in order to identify new data breaches. This course provides you with advanced skills that can be used to hunt down, identify, counter and recover from a wide range of threats within enterprise networks, including APT nation-state adversaries, organized crime syndicates and hactivists.

Security Awareness—How to Build, Maintain and Measure a Mature Awareness Program

Lance Spitzner

Organizations have invested a tremendous amount of money and resources into securing technology, but little if anything into securing their employees and staff. As a result, people, not technology, have become their weakest link in cybersecurity. The most effective way to secure the human element is to establish a high-impact security awareness program that goes beyond just compliance and changes behaviors. This intense course will teach you the key concepts and skills needed to build, maintain, and measure just such a program. All course content is based on lessons learned from hundreds of security awareness programs from around the world. You will learn not only from your instructor, but from extensive interaction with your peers, as well. Please bring example materials from your security awareness program that you can show and share with other students during the course.

ISACA TRAINING



Deepen your knowledge in the field of information security management while preparing for ISACA's exams.

Dates: Sunday, March 3 & Monday, March 4
Time: 9:00 AM – 5:00 PM
Location: Moscone West 3002

CISM Two-Day Cram to the Max Course

Albert J. Marcella Jr., CISA, CISM

Planning to take ISACA's Certified Information Security Manager® (CISM®) exam this year? Join your fellow CISM-exam candidates and an expert, CISM-certified instructor to get in some valuable study tips and insight! This CISM Exam Prep Course is an intensive, cram-style course that will cover some of the more challenging topics from the CISM job practice areas. Topics will include information security governance, information risk management, information security program development and information security incident management. Drill through sample exam items, ask your most pressing questions and get the answers to build your confidence and make final preparations for exam day.

This course is specifically designed for those already preparing to sit for the CISM exam. *Continuing Professional Education (CPE) Credit Hours: 14.5*

(ISC)² TRAININGS



Review and identify the information security areas you need to master for the CISSP and CCSP exams with two-day trainings from the creators of the industry's gold standard certifications.

Dates: Sunday, March 3 & Monday, March 4
Time: 9:00 AM – 5:00 PM
Location: Moscone West 3007, 3008, 3009

(ISC)² CCSP® Cloud Security Professional Two-Day Crash Course

Ben Malisow

During this fast-paced, two-day session you will cover the six domains covered by the (ISC)² the Certified Cloud Security Professional CBK. This fact-filled course will assist in your review of the CBK topics and deepen your knowledge of cloud computing and cloud information security. You will receive and utilize the official (ISC)² Certified Cloud Security Professional certification credential study guide and materials published by (ISC)².

(ISC)² CISSP® Certified Information Systems Security Professional Introduction

Lyron Andrews

During this fast-paced, two-day session, you will cover the eight domains of the (ISC)² CISSP CBK. This fact-filled course will assist in your review of the CBK topics and deepen your knowledge of information security. Each day of the presentation is divided into various domains of the CBK. These domains will cover essential topics such as current security challenges, problem resolution, application security, network security, infrastructure planning, legal considerations, international privacy, investigations and forensics among other topics.

(ISC)² Security Architecture

Kevin Stoffell

Security architecture development is designed for information security professionals involved in enterprise-wide security planning or acquisition of systems and software that contain information security components. This course is designed to deliver an understanding of key security architecture concepts and implementation. This course overlaps with the Certified Information Systems Security Professional Information Systems Security Architecture Professional (CISSP-ISSAP®) certification; however, the focus does not fully align with the certification syllabus.

CSA TRAINING



Expand your understanding of cloud security with Cloud Security Alliance's two-day training.

Dates: Sunday, March 3 & Monday, March 4
Time: 9:00 AM – 5:00 PM
Location: Moscone West 3001

The Certificate of Cloud Security Knowledge (CCSK) Plus Training

Jon-Michael C. Brook, CISSP, CCSK, Certified AWS Solution Architect

The Certificate of Cloud Security Knowledge (CCSK) Plus class provides students a comprehensive review of cloud security fundamentals, prepares them to take the Cloud Security Alliance (CSA) CCSK v4 certificate exam and guides them through six hands-on labs that tie cloud security best practices to real-world applications. Starting with a detailed description of cloud computing, the course covers all major domains in the Security Guidance v4 document from the CSA, gives a high-level overview of the CSA Cloud Controls Matrix (CCM) and includes recommendations from the European Network and Information Security Agency (ENISA) Cloud Computing document and the National Institute of Standards and Technology (NIST).

This class is geared towards security professionals, but is also useful for anyone looking to expand their knowledge of cloud security. Having a basic understanding of security fundamentals, such as firewalls, secure development, encryption and identity management is helpful, but not required. Individual laptop and some pre-class setup one week prior is required.



† SANS Tutorials and (ISC)², ISACA and CSA Trainings are offered for an additional fee.

👤 Top-rated speaker.

Sessions and speakers are subject to change; please visit www.rsaconference.com/us2019 for the most up-to-date information.

MONDAY EVENTS & ACTIVITIES

MONDAY

8:30 AM – 5:40 PM SEMINARS – FULL CONFERENCE & DISCOVER PASS HOLDERS ONLY

See following pages for details and room locations.

8:00 AM – 5:00 PM SEMINARS – OPEN TO ALL BADGE TYPES

See following pages for details and room locations.

8:00 AM – 5:00 PM BROADCAST ALLEY

West Street Level Watch top security publications shoot live and record exclusive interviews.

11:00 AM – 12:00 PM TWITTER CHAT

Building a Better Today for a More Secure Tomorrow

Follow us on Twitter and use #ChatSTC and #RSAC to join!

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1:30 PM – 4:30 PM RSAC INNOVATION SANDBOX CONTEST

Marriott Yerba Buena

The RSAC Innovation Sandbox Contest has crowned innovative companies who build cutting-edge technologies to minimize infosec risk for the past 14 years. Witness the 2019 Top 10 Finalists battle it out for the coveted title of “Most Innovative Startup.” See page 18 for a detailed agenda.

Exclusive RSAC Innovation Sandbox Media Sponsor:



4:00 PM – 5:00 PM FIRST-TIMERS ORIENTATION & NETWORKING RECEPTION

Marriott Golden Gate A

This event is open to Full Conference Pass holders and features a 30-minute presentation followed by a 30-minute networking reception with light refreshments.

4:30 PM – 6:00 PM RSAC WOMEN'S LEADERSHIP CELEBRATION RECEPTION

Moscone South 303

Join us in celebrating the contributions and rich history of women in science and technology. Hosted with our planning partners: Women's Society of Cyberjutsu, Executive Women's Forum on Information Security, Risk Management and Privacy (EWF), The Diana Initiative, Women in Security and Privacy (WISP) and Women in CyberSecurity (WiCyS). All RSA Conference attendees are welcome to attend.

5:00 PM – 7:00 PM RSAC SECURITY OPERATIONS CENTER

Moscone South Lower Level

Take a tour of a working SOC! Head to the Moscone South Lower Level for the RSA Conference Security Operations Center. See what's really taking place on the Moscone Wireless Network in real time.

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5:00 PM – 7:00 PM WELCOME RECEPTION

Expos

Join your peers in the Expo while kicking off RSA Conference in style at the Welcome Reception. Enjoy drinks and light fare from 5 – 7 PM. Get exclusive access to the exhibitors you've been waiting to meet; network with peers as you preview cutting-edge products from more than 650 leading information security companies.

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 = Networking event.

MONDAY SEMINARS

Full Conference & Discover Pass Seminars

9:00 AM – 3:40 PM

Moscone West 2018

Security, Privacy and Human Behavior SEM-M01

Lujo Bauer, Carnegie Mellon University; **Laura Brandimarte**, University of Arizona; **Sunny Consolvo**, User Experience Researcher, Google; **Lorrie Cranor, Ph.D.**, Director, CyLab Security and Privacy Institute, Carnegie Mellon University; **Sanchari Das**, Doctoral Researcher, Indiana University; **Jason Hong**, Professor, Human Computer Interaction Institute; **Apu Kapadia**, Associate Director, Security Program, Indiana University Bloomington; **Emilee Rader**, Associate Professor and AT&T Scholar, Department of Media and Information, Michigan State University; **Elissa M. Redmiles**, Ph.D. Candidate, Computer Science, University of Maryland; **Blase Ur**, Neubauer Family Assistant Professor, University of Chicago; **Pamela Wisniewski**, University of Central Florida

What is it about human behavior that makes cybersecurity so inherently difficult? Come join this masterfully curated seminar, led by renowned expert Dr. Lorrie Cranor, professor in the School of Computer Science and the Engineering and Public Policy Department at Carnegie Mellon University and director of the CyLab Usable Privacy and Security Laboratory. Leading researchers will share important findings around security and privacy behaviors and mental models, explore security and privacy tools that humans can actually use, and examine emerging threats and challenges that surface as humans adopt new technology.

8:30 AM – 5:40 PM

Moscone West 2022

Emerging Threats SEM-M03

Lior Ben-Porat, Security Researcher, Microsoft; **Olivier Bilodeau**, Cybersecurity Research Director, GoSecure; **Christopher Elisan**, Senior Malware Researcher, Flashpoint; **John Fokker**, Head of Cyber Investigations, McAfee; **James Foster**, CEO, ZeroFOX; **Daniel Frank**, Security Researcher, F5 Networks; **Kenneth Geers**, Chief Research Scientist, Comodo; **Nelly Ghaoui**, Senior Policy Coordinator, Ministry of Economic Affairs and the Climate of the Netherlands; **Ian Gray**, Director of Americas Research and Analysis, Flashpoint; **Tamer Hassan**, CTO & Co-Founder, White Ops; **Reiko Kondo**, Director, Office of the Director-General for Cybersecurity, Ministry of Internal Affairs and Communications; **Carles Lopez-Penalver**, Cybercrime Analyst, Chainalysis; **Renato Marinho**, Chief Research Officer, Morpheus Labs; **Austin McBride**, Threat Analytics Researcher, Cisco Systems; **Stuart McClure**, Chairman and CEO, Cylance; **Masarah Paquet-Clouston**, Researcher, GoSecure CounterTack Inc.; **Philip Reiting**, President & CEO, Global Cyber Alliance; **Evelyn Remaley**, Deputy Associate Administrator for Policy, NTIA / US Department of Commerce; **Brian Robison**, Sr. Director of Security Technology, Cylance; **Raj Samani**, Chief Scientist, McAfee Fellow, McAfee; **Jason Straight**, Chief Privacy Officer / SVP Cyber Risk Solutions, UnitedLex Corporation; **Michael Tiffany**, President & Co-Founder, White Ops; **Candice Wueest**, Threat Researcher, Symantec

This seminar will provide a full day of focus on emerging threats, from cryptojacking and ransomware to social engineering and IoT attacks. Sessions will get inside the minds and motivations of the adversaries, discuss the changing threat landscape, top attack vectors, new and innovative research, and effective response and recovery strategies.

8:30 AM – 5:15 PM

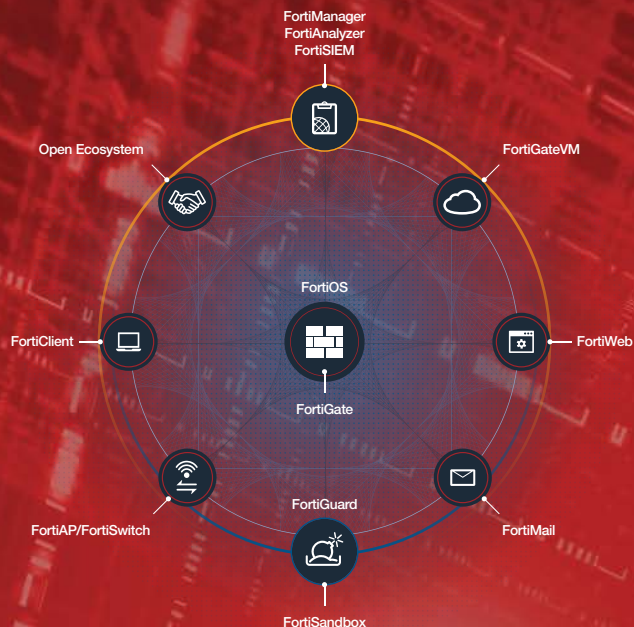
Moscone West 2014

Security Foundations SEM-M04

Daniel Bailey, Chief Security Architect, Carbonite; **Sam Bisbee**, CSO, Threatstack; **Julie Fitton**, VP, Digital Product Security, Stanley Black & Decker; **Rob Fry**, VP of Engineering, Jask; **Salah Machani**, Director of Technology, RSA; **Kathleen Moriarty**, Global Lead Security Architect, Dell Technologies; **Hugh Thompson**, RSA Conference

This seminar will explain some of the most important security principles and will provide practitioners with an overview of essential concepts to enhance understanding of current advanced security issues, offering up-to-date perspectives. While designed for practitioners of five or less years of direct security experience, this seminar will be of value to the full spectrum of RSA Conference attendees.

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MONDAY

8:30 AM – 4:30 PM

Moscone South 207

CSA Summit: CSA 10 CSA-M01

Jerry Archer, Senior Vice President and Chief Security Officer, Salliemae; **Jon Callas**, Technology Fellow, ACLU; **David Cass**, Chief Information Security Officer Cloud and SaaS Operations & Global Partner Cloud Security Services, IBM; **Rich Campagna**, Chief Marketing Officer, Bitglass; **Jay Chaudhry**, CEO, Chairman and Founder, Zscaler, Inc.; **Pete Chronis**, CISO, Turner; **Jason Clark**, Chief Strategy Officer, Netskope; **Dave Estlick**, Chief Information Security Officer, Starbucks Technology; **Eran Feigenbaum**, Chief Security Officer, Oracle Cloud; **Nicole Forbes**, Global Vice President of IT and CISO, Baxter International; **Jason Garbis**, Vice President of Cybersecurity Products, Cyxtera; **Rajiv Gupta**, Senior Vice President, Cloud Security Business Unit, McAfee; **Kurt Hagerman**, CxO Advisor, Cyber Strategy, Coalfire; **Mike Hanley**, Director of Security, Duo; **Scott Howitt**, Senior Vice President & Chief Information Security Officer, MGM Resorts International; **Kevin Kiley**, Vice President of Sales & Business Development, OneTrust; **Setu Kulkarni**, Vice President, Strategy & Business Development, WhiteHat; **Eric Olden**, Senior Vice President, Oracle Security and Identity, Oracle; **Vinay Patel**, Managing Director, Global Head of Information Security, Citigroup Enterprise Operations & Technology; **Juan Pablo Perez-Etchegoyen**, Chief Technology Officer, Onapsis; **Nico Popp**, Senior Vice President Information Protection, Symantec; **Jim Reavis**, CEO, Cloud Security Alliance; **Marc Rogers**, Executive Director, Cybersecurity Strategy, Okta; **Stephen Scharf**, Managing Director and Global Chief Security Officer, Depository Trust & Clearing Corporation; **Bob Schuetter**, Chief Information Security Officer, Valvoline; **Andy Smith**, Vice President of Product Marketing, Centrifry; **Jennifer Steffens**, Chief Executive Officer, IOActive, Inc; **Becky Swain**, GRC & Cloud Security Assurance Consultant

The year 2019 marks the 10-year anniversary of Cloud Security Alliance (CSA). From inception, the CSA has been dedicated to defining and raising awareness of best practices to help ensure a secure cloud computing environment throughout the world. In its 10th year at RSA Conference, the CSA Summit will reflect on the lessons learned by enterprises and providers as cloud has become the dominant IT system in the market. We will also explore new frontiers that are accelerating change in information security, such as artificial intelligence, blockchain and IoT.

* This content is brought to you by CSA. Attendees selecting this seminar will have their contact details shared with CSA.

8:30 AM – 5:00 PM

Moscone South 201

IAPP: Understanding the CCPA IAPP-M01

Patricia Bailin, CIPP/US, CIPM, CIPT, Head of Privacy & Data Ethics, Datavant; **Helen Beckschi**, CIPP/US, US Privacy, Wells Fargo Bank; **Andrea D'Ambra**, CIPP/E, Partner, Norton Rose Fulbright; **Lothar Determann**, Partner, Baker McKenzie; **D. Reed Freeman**, CIPP/US, Co-Chair, Cybersecurity and Privacy Practice Group, WilmerHale; **Travis LeBlanc**, Partner, Cooley LLP; **Dominique Shelton Leipzig**, CIPP/US, Partner, Perkins Coie; **Stacey Schesser**, CIPP/US, Deputy Attorney General, California Department of Justice; **Ari Schwartz**, Managing Director, Cybersecurity Services, Venable; **Andrew Serwin**, CIPP/C, CIPP/E, CIPP/G, CIPP/US, CIPM, Partner, Morrison & Foerster; **Jacob Snow**, Technology and Civil Liberties Attorney, ACLU of Northern California

Passed seemingly overnight just before the July 4 holiday, the California Consumer Privacy Act 2018 stands to radically change the way that organizations throughout the United States, and even the world, handle personal data. It's fair to say it could impact organizations in ways that are similar to the EU's General Data Protection Regulation, and the time horizon for compliance is even shorter: CCPA comes into force on January 1, 2020. In this full-day workshop, some of the leading thinkers in California privacy gather to help you understand what the law says and how it will change the way you do business.

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9:00 AM – 5:00 PM

Moscone South 204

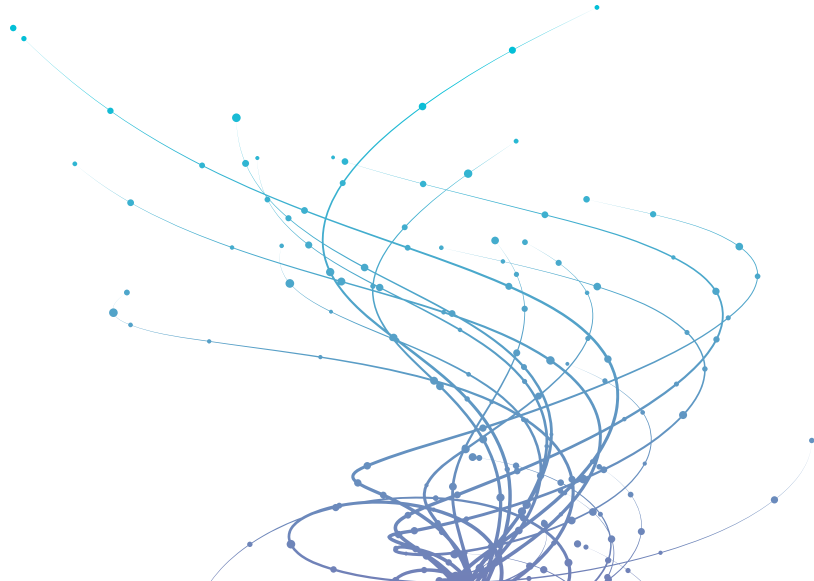
DevOps Connect: DevSecOps Day @ RSA DOC-M01

Jennifer Czaplewski, Director, Security Analytics, Security Ninjas and Risk Management, Target; **Kevin Hanford**, Head of Information Security, Infrastructure & IT, Remity; **Jodie Kautt**, Vice President of Cyber Security, Target; **Omar Khawaja**, CISO, Information Security & Risk Mgmt, MBA, CISSP, CPHIMS, CCSK, Highmark Health; **Courtney Kissler**, Vice President, Nike Digital Platform Engineering; **Oleg Krebs**, Chief Architect, Visa; **Shannon Lietz**, Leader and Director, DevSecOps, Intuit; **Larry Maccherone**, DevOps and DevSecOps Transformation, Comcast; **Mark Miller**, Co-Founder, All Day DevOps, Senior Storyteller, Sonatype; **Rich Mogull**, Analyst & CEO, Securosis; **Ernest Mueller**, Director of Engineering Operations, AT&T Cybersecurity; **Chris Roberts**, Advisor with Attivo Networks, R&D with HHS, etc.; **DJ Schleen**, DevSecOps Evangelist and Security Architect, Aetna/CVS; **Alan Shimel**, Founder, DevOps.com, Co-Founder DevOps Institute; **Alexandra Shulman-Peleg**, SVP, Cloud Platforms Security Engineering and Cloud GIS Program Lead, Citi; **Poornaprajna Udipi**, CISO, Lyra Health; **Navin Vembar**, Former CTO, GSA; **Chenxi Wang**, Managing General Partner, Rain Capital; **Derek Weeks**, Vice President, Sonatype; **James Wickett**, Head of Research, Signal Sciences; **Caroline Wong**, Vice President, Cobalt.io; **John Willis**, VP of DevOps and Digital Practices, SJ Technologies; **Hasan Yasar**, DevSecOps Evangelist, Technical Manager, Adjunct Faculty Member at SEI, Head of Research, Carnegie Mellon University; **Anne Marie Zettlemoyer**, Cyber Strategist, Board Member, Researcher, Vice President, Security Engineering, Mastercard

In the past few years, security integration within the DevOps pipeline has given rise to the idea of DevSecOps. Once seen as the bottleneck and inhibitor of the development and deployment process, security has become an integral part of the movement towards automation and the removal of manual oversight enforcement. As stated in the DevSecOps Manifesto, "We must adapt our ways to ensure data security and privacy issues are not left behind because we were too slow to change." There are practitioners in the field who are pushing forward with the idea of creating a secure application development pipeline, with security integrated from conception to deployment.

In this year's DevOps Connect: DevSecOps Day at RSA Conference 2019, you'll hear stories from those practitioners, explaining how they made the cultural transformation from legacy development and deployment processes to integrated systems that include security as a part of the process, not as an overseer or bottleneck to secure application development. This series of first-person talks will give you a perspective on how you and your team can enable faster application development with more rapid deployment to production, while integrating security into your DevOps initiatives.

* This content is brought to you by DevOps.com. Attendees selecting this seminar will have their contact details shared with DevOps Connect.



9:00 AM – 11:30 AM & 1:30 PM – 4:00 PM **Moscone South 304**

CyberSmart Parents Education Seminar—Keeping Your Family Safe Online SEM-M02

Jace Brooklyn, Hacker High; **Pete Herzog**, Managing Director, ISECOM; **Aidan Jake**, Hacker High; **Gloria Moskowitz-Sweet**, LCSW, PPSC, Co-Founder, My Digital TAT2; **Erica Pelavin**, Co-Founder, My Digital TAT2

This seminar will arm you with the knowledge and tools to help teach children how to better recognize and resist online challenges.

9:00 AM – 12:20 PM **Marriott Golden Gate A**

How-to for Innovators and Entrepreneurs SEM-M05

Geoff Belknap, CISO, Slack; **Kristina Bergman**, CEO, Integris Software; **Dave DeWalt**, Founder & CEO, NightDragon Investments; **Sarah Guo**, Partner, Greylock; **Choo Kim-Isgitt**, Head of Marketing, TruSTAR; **Mark Kraynak**, Partner, Aspect Ventures; **Tim McKnight**, CISO, Thompson Reuters; **CP Morey**, Head of Phantom Marketing, Splunk; **Rob Sloan**, WSJ Pro Cybersecurity, Research Director, Wall Street Journal Pro; **Gene Teare**, Head of Content, Crunchbase; **Ariel Tseitlin**, Partner, Scale Venture Partners; **Chris Wysopal**, CTO, Veracode

This half-day info-rich seminar will explore how to start a company from stealth to exit, find funding and financing in today's competitive marketplace, provide an inside view of what makes a CISO take a shot on a startup, give tips and insights from brand makers and marketing gurus on how to rise above the noise. Each segment includes an opportunity for audience members to ask questions of the panelists and a networking break to meet with fellow entrepreneurs and speakers.

8:00 AM – 12:00 PM **Moscone South 301**

Solving Our Cybersecurity Talent Shortage SEM-M06

Jim Gordon, GM Security Ecosystem Strategy & Development, Intel Corporation; **Emily Heath**, VP & CISO, United Airlines; **Alicia Jessip**, Regional Inclusion & Diversity Manager – West and Northwest, TEKsystems; **Elaine Marino**, Founder and CEO, Equili; **Carmen Marsh**, CEO, Inteligenca; **Vanessa Pegueros**, Vice President and CISO, DocuSign; **Claudia Schabel**, President, Schabel Solutions; **Jennifer Steffens**, CEO, IOActive, Inc.; **Selena Templeton**, Executive Editor & Podcast Host, ITSPmagazine; **Caroline Wong**, Chief Security Strategist, Cobalt.io; **Karen Worstell**, CEO, W Risk Group LLC

In this seminar, you will hear from leaders driving innovation with culture, inclusion, equity and diversity, and from change agents on how you can make shift happen.

1:00 PM – 4:30 PM **Moscone South 301**

She Speaks Security: Gaining Confidence Speaking and Submitting to Speak SEM-M07

Joyce Brocaglia, CEO and Founder, Alta Associates & The Executive Women's Forum; **Elena Elkina**, Co-Founder, Women in Security and Privacy (WISP); **Jessica Gulick**, CEO, Katzcy; **Andrea Little Limbago**, Chief Social Scientist, Virtru; **Cameron Over**, Director, Cybersecurity, CrossCountry Consulting; **Roberta Stempfley**, Director, CMU – SEI – CERT

This robust half-day forum, developed with community groups, will offer a mentor-focused opportunity to inspire, prepare and equip women for submitting and presenting to large groups.



Meet German Experts in IT Security at RSA® Conference 2019

Presented by:



In cooperation with:



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Welcome to the German Pavilion at RSA® Conference 2019!

German Evening Reception

March 6th, 7:00 pm, German Consulate General, 1960 Jackson Street, San Francisco

Get your personal invitation at the German Pavilion

German Panel Session 2019

Innovative Answers to the IoT Security Challenges

Panel discussion about innovative ways for identity management, securely enabling connectivity of IoT devices and security for legacy systems while keeping the usability at a high level.

Moderator: Prof. Dr. Norbert Pohlmann, Director of if (is), Chairman of TeleTrust - IT Security Association

The Panelists:

- Dr. Kim Nguyen, Managing Director of D-Trust, the Trust Center of Bundesdruckerei
- Heinfried Cznotka, Director Business Development, achelos GmbH
- Jean-Paul Verheyewegen, Global Sales Manager, MB Connect Line GmbH

March 6th, 1:30 pm – 2:20 pm, Moscone South Esplanade 154

Sponsor Special Topic Track at RSA® Conference 2019



www.rsac.german-pavilion.com

The partners of the German Pavilion at RSA® Conference 2019



TUESDAY EVENTS & ACTIVITIES

6:30 AM – 8:00 AM **CONTINENTAL BREAKFAST***
 Moscone West Level 2 Full Conference Pass holders, grab breakfast and then head directly to your chosen keynote viewing location.

KEYNOTES**

Keynote abstracts can be found on pages 30 – 31.

8:00 AM **Opening**
 West Stage Keynotes

8:10 AM **The Trust Landscape**
 West Stage Keynotes **Rohit Ghai**, President, RSA; **Niloofar Razi Howe**, Cybersecurity Strategist and Entrepreneur

8:35 AM **Lightning in a Bottle, or Burning Down the House?**
 West Stage Keynotes **Dr. Celeste Fralick**, Chief Data Scientist, McAfee, LLC; **Steve Grobman**, Senior Vice President and Chief Technology Officer, McAfee, LLC

8:55 AM **Rise of the Machines: Staying Ahead of the Next Threat**
 West Street Level **Liz Centoni**, Senior Vice President | General Manager Cisco IoT, Cisco; **Matt Watchinski**, Vice President, Global Threat Intelligence Group, Talos, Cisco

9:20 AM **The Cryptographers' Panel**
 West Street Level
 MODERATOR: **Zulfikar Ramzan, Ph.D.**, Chief Technology Officer, RSA
 PANELISTS: **Whitfield Diffie**, Cryptographer and Security Expert, Cryptomathic; **Shafi Goldwasser**, Director, Simons Institute for the Theory of Computing; **Ronald Rivest**, Professor, Massachusetts Institute of Technology; **Adi Shamir**, Borman Professor of Computer Science, The Weizmann Institute, Israel

10:05 AM **The FBI: At the Heart of Combating Cyberthreats**
 West Street Level **Susan Hennessey**, Senior Fellow, Governance Studies, The Brookings Institution and Executive Editor, Lawfare; **Christopher A. Wray**, Director, Federal Bureau of Investigation

11:00 AM **Top 10 Ways to Make Hackers Excited: About the Shortcuts Not Worth Taking**
 South Esplanade **Paula Januszkiewicz**, Chief Executive Officer, CQURE

1:00 PM **A Cloud Security Architecture Workshop**
 South Esplanade **Dave Shackelford**, Sr. Instructor, SANS Institute

2:20 PM **Security at 36,000 Feet!**
 South Esplanade **Emily Heath**, Vice President and Chief Information Officer, United Airlines

3:40 PM **Lessons Learned from 30+ Years of Security Awareness Efforts**
 South Esplanade **Ira Winkler**, President, Secure Mentem

9:00 AM – 5:00 PM **BROADCAST ALLEY**
 Moscone West Street Level Watch top security publications shoot live and record exclusive interviews.

10:00 AM – 6:00 PM **RSAC SECURITY OPERATIONS CENTER**
 Moscone South Lower Level Take a tour of a working SOC! Head to the Moscone South Lower Level for the RSA Conference Security Operations Center. See what's really taking place on the Moscone Wireless Network in real time.

Sponsored by:



10:00 AM – 6:00 PM **EXPO**
 Moscone North & South Lower Level The RSA Conference Expo will give you the opportunity to interact with an impressive breadth of information security exhibitors and sponsors.

10:20 AM – 5:30 PM **EXPO BRIEFING CENTER**
 Moscone North & South Lower Level See following pages for abstracts and a complete schedule on pages 115 – 118.

11:00 AM – 2:00 PM **STREET EATS**
 Howard Street, Mission Street With options for all tastes, stop by any of our food trucks on Mission Street or Howard Street. Available to all pass types and both cash and credit cards are accepted.

11:00 AM – 4:30 PM **TRACK SESSIONS**
 Locations Vary See detailed information on following pages for descriptions and badge access.

TUESDAY

TUESDAY EVENTS & ACTIVITIES

Hours Vary by Location
LAW TRACK SESSIONS*
 Marriott Nob Hill A, 11:00 AM – 4:30 PM; Moscone South 201, 5:00 PM – 5:50 PM
 See detailed information on following pages for descriptions.

2:20 PM – 4:20 PM
 Moscone West Level 3
LEARNING LABS*
 Learning Labs provide highly interactive, facilitated learning experiences and are very hands-on and small group oriented. Seating is limited; use Reserve a Seat to schedule your participation. You can only reserve one Lab on your schedule, so pick carefully from our 20 great offerings. **Note: Press is not permitted in Lab sessions.**

4:00 PM – 6:30 PM
 Marriott RSAC Sandbox
RSAC CYBREW CAFÉ
 The RSAC Cybrew Café, our full-service coffee bar, will be serving your favorite beverages.

4:00 PM – 4:45 PM
 Marriott Yerba Buena 8
RSAC LAUNCH PAD***
 RSAC Launch Pad is designed to give new talent a platform to share their brilliant industry solutions. Watch three selected participants give a 10-minute pitch on their groundbreaking products to a panel of leading security venture capitalists. And see who walks away with investments that could take their company to the next level.

4:45 PM – 6:30 PM
 Marriott Yerba Buena 8
RSAC SANDBOX***
 The RSA Conference Sandbox is full of hands-on interactive experiences to test your infosec skills.


Exclusive RSAC Sandbox Media Sponsor:



4:45 PM – 6:30 PM
 Marriott Yerba Buena 9
RSAC EARLY STAGE EXPO***
 The RSAC Early Stage Expo is the perfect megaphone for emerging infosec startups. Located in the Marriott Marquis, meet over 50 of the industry's most promising newcomers and learn about their innovative products and solutions.

Exclusive RSAC Early Stage Expo Media Sponsor:



4:45 PM – 6:30 PM
 Marriott RSAC Sandbox & RSAC Early Stage Expo
CYBEER OPS NETWORKING RECEPTION & INTERNATIONAL MEET-UP *** 
 Delight in local California craft beers and non-alcoholic drinks as you mingle with peers and RSAC friends from around the world. CyBEER Ops opens RSAC Sandbox, where you can check out up and coming startups and the RSAC IoT Village, ICS Village and Wireless Village Sandboxes.
** Event is free for Full Conference and Tuesday Full Conference One-Day Pass holders age 21 and over as well as Press. All other badge holders can purchase tickets through registration for a fee of \$25. Event access is limited and is on a first come, first served basis.*

6:00 PM – 9:00 PM
 Marriott SoMa
NON-PROFITS ON THE LOOSE 
 Meet and mingle with industry and government leaders while enjoying food and drink at the Marriott Marquis, just blocks from the Moscone Center. The Anti-Phishing Working Group (APWG), the Internet Society/Online Trust Alliance and the Cyber Threat Alliance (CTA) invite you to join us for the ninth Annual Non-Profits on the Loose for great food, fun and networking. Thank you for supporting our passions, stop by and discuss how we can improve cybersecurity together.
Attendees must have an RSA Conference badge.

7:00 PM – 9:30 PM
 Moscone West Level 2
RSAC AFTER HOURS: GAME NIGHT** 
 As a cybersecurity all-star, you'll enter RSAC After Hours: Game Night with VIP treatment. Then it's off to the races. In the Full Court, you'll go head to head with other industry players in our arcade and game hall. Then take a load off in the sports lounge and bar, complete with a live DJ and tailgate-themed refreshments. And at 7:30 PM, the night really gets going as the Celtics face off against the Warriors—live and on the big screen.
Open to Full Conference and Discover Pass holders. Choose one of the RSAC After Hours events on Tuesday, Wednesday or Thursday nights of Conference. Space is limited so make sure to reserve a seat.

 = Networking event.

* Open to Full Conference Pass holders only.
 ** Open to Full Conference and Discover Pass holders only.
 *** Open to Full Conference Pass holders, Press and CyBEER Ops ticket holders only.

TUESDAY SESSION DETAILS

10:20 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Kubernetes Deployments: How Not to Get Hacked BC-T1N

Sol Cates, VP of Technology Strategy, CTO, Thales eSecurity Inc.

Kubernetes adoption continues to skyrocket as the standard container orchestration framework. However, security and regulatory issues exist in this new frontier; fortunately there are best practices.

10:40 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

An Intelligent Approach to Beating Global Cybersecurity Threats BC-T1S

Laurent Gil, Security Evangelist, Oracle Cloud Infrastructure (OCI), Oracle

This session will be designed to help organizations develop a real-life approach to implementing AI algorithms and machine learning enabled security in their own environments.

11:00 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Analytics, Intelligence & Response	50 min	FC

Advancing Incident Response in the Age of New Compliance Requirements AIR-T06

Steven Chabinsky, Global Chair of Data, Privacy & Cybersecurity, White and Case, LLC; **Shawn Henry**, CSO and President of Services, CrowdStrike

The growing frequency of cyberattacks coincides with new regulatory compliance requirements. This session will cover critical areas of operational, security, legal and business response readiness.

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Application Security & DevSecOps	50 min	FC

Security Automation at Scale ASD-T06

Gary Ramah, Security, Disney

DevOps has helped with everything from more frequent feature releases to increased application stability. What can DevSecOps help with?

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Blockchain & Applied Crypto 2x	50 min	FC

From Ephemeral Infrastructure to Ephemeral Communications BAC-T06

Paul Kocher, Founder & Researcher, Cryptography Research Inc.; **Joel Wallenstrom**, CEO, Wickr

Why the combination of end-to-end encryption and ephemerality is the most powerful security enforcer and antidote to mainstream data-obsessed and security-poor business models.

11:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
C-Suite View	50 min	FC

Expense in Depth: Managing Your Total Cost of Controls CXO-T06

Malcolm Harkins, Chief Security & Trust Officer, Cylance

Malcolm Harkins will show why a total cost of controls model for measuring information security costs is required to manage digital risks, maximize business efficiency and minimize risk exposure.

TRACK	SESSION LENGTH	BADGE ACCESS
C-Suite View 2x	50 min	FC

Defining a Cyber-Risk Appetite That Works CXO-W10R

Jack Jones, Chairman, FAIR Institute

A clearly defined risk appetite can be transformative to a cyber-risk management program. In this session you'll learn how to define an unambiguous risk appetite that drives better decision-making.

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization Δ	50 min	FC

Building a Leading Cloud Security Program CSV-T06

MODERATOR: Michael Johnson, CISO, Capital One
PANELISTS: Jerry Archer, Chief Security Officer, Sallie Mae; **Devon Bryan**, EVP and CISO, Federal Reserve; **Doug Greene**, VP and CISO, Guardian Life Insurance; **Christopher Porter**, SVP and Chief Information Security Officer, Fannie Mae; **Alice Rison**, Senior Director, Software Engineering, Capital One

A moderated panel featuring C-suite executives discussing the key aspects of a mature and effective cloud security program in financial services, insurance, and government. *No press allowed.*

TRACK	SESSION LENGTH	BADGE ACCESS
Cryptography	50 min	FC

Public Key Encryption CRYP-T06 ⚙

Suvradip Chakraborty, IIT Madras; **Sherman S. M. Chow**, Chinese University of Hong Kong

Theory and application of public key encryption will be discussed.

TOPIC 1: Structure-Preserving Certificateless Encryption and Its Application

Authors: Tao Zhang; Huangting Wu; Sherman S. M. Chow

TOPIC 2: Public Key Encryption Resilient to Post-Challenge Leakage and Tampering Attacks

Authors: Suvradip Chakraborty and C. Pandu Rangan

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Context-Wrapped Security: Driving Down Business Risk BC-T2N

Colin McKinty, Cyber Strategy – Americas, BAE Systems

Humans unconsciously gather information to aid decision-making. Too often in security we make important decisions without the context. Learn why actionable context is key to reducing business risk.

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Governance, Risk & Compliance	50 min	FC

Superforecasting II: Risk Assessment Prognostication in the 21st Century GRC-T06 ⚙

Richard Howard, CSO, Palo Alto Networks

Qualitative risk matrices and heat maps are just bad science. The "new" math consists of latency curves, Bayes algorithm and Monte Carlo simulations. Come see how to do them.

TUESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

11:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats	50 min	FC

Hacking the Human: Special Edition HT-T06

MODERATOR: *Lorrie Cranor, Ph.D., Director, CyLab Security and Privacy Institute, Carnegie Mellon University*
PANELISTS: *Lujo Bauer, Carnegie Mellon University; Apu Kapadia, Assoc. Professor of Computer Science and Assoc. Director, Security Program, Indiana University Bloomington; Emilee Rader, Associate Professor and AT&T Scholar, Department of Media and Information, Michigan State University*

What is it about human behavior that makes cybersecurity so inherently difficult? Hear the latest research on behaviors and mental models and explore tools that humans can actually use.

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats Advanced	50 min	FC

Live Adversary Simulation: Red and Blue Team Tactics HTA-T06

James Lyne, Director of Research, SANS Institute; Stephen Sims, Security Researcher, SANS Institute

We all have penetration testers, but are they working effectively with the defense in our organizations? We need ongoing communication and adversary simulation. Let's look at some real-world usage!

11:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Human Element	50 min	FC

Humans Are Awesome at Risk Management HUM-T06

Andy Ellis, CSO, Akamai Technologies

Humans are awesome at risk management. Learn some mental models for understanding how that decision you think is foolish is likely driven by all the tools made us the dominant species on the planet.

TRACK	SESSION LENGTH	BADGE ACCESS
Identity	50 min	FC

Building Identity for an Open Perimeter IDY-T06

Tejas Dharamshi, Senior Security Software Engineer, Netflix, Inc.

Come and learn how Netflix has made identity the new security perimeter by leveraging identity, single sign-on, multifactor and adaptive authentication, device health and authorization.

TRACK	SESSION LENGTH	BADGE ACCESS
Law	50 min	FC

Hot Topics in Cyber-Law 2019 LAW-T06

MODERATOR: *Michael Aisenberg, Principle Cyber Policy Counsel, The MITRE Corporation*
PANELISTS: *Kimberly Peretti, Partner, Lead Cybersecurity Practice, Alston & Bird, LLP; Lucy Thomson, Attorney, Livingston PLC; Stephen Wu, Shareholder, Silicon Valley Law Group*

Theme-setting expert panel on critical emerging legal issues. Objective will be a practical, useable snapshot of recent developments in cyber-law and -litigation, policy, and industry frameworks.

TUESDAY



THE ART OF CYBERSECURITY

Cyber threats are malicious, dark, and intrusive, and attacks have never been more complex. At Trend Micro, we're turning ugliness into something beautiful, helping you prepare for, withstand, and rapidly recover from threats—so you can focus on your business.

See how we're making cybersecurity beautiful at booth **S 627**.



TUESDAY SESSION DETAILS

11:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Machine Learning & Artificial Intelligence	50 min	FC

Lessons Learned in Automating Decision-Making: Pitfalls and Opportunities MLAI-T06

Sounil Yu, Chief Security Scientist, Bank of America

There's a strong desire to automate all aspects of security. However, organizations need to take certain precautions before enabling automation across all components of the security stack. *No press allowed.*

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 min	FC

Hindsight and 2020: A Clear-Eyed Look at Shared Responsibility-I-o-T MBS-T06

Josh Corman, CSO, PTC; **Julie Fitton**, Vice President, Digital Product Security

Spanning gadgets and Industrial IoT, in Congress and CA Law, for Mirai and WannaCry... Volatil-I-o-T. This session will crystalize 2018 game changers, warn what's coming, and outline shared Responsibility-IoTs.

TRACK	SESSION LENGTH	BADGE ACCESS
Policy & Government	50 min	FC

Risks and Results: Counter-Risks to the Nation's Critical Infrastructure PNG-T06

Christopher Krebs, Director, Cybersecurity and Infrastructure Security Agency (CISA)

Examine how the newly established National Risk Management Center advances the ongoing work of DHS and its partners.

TRACK	SESSION LENGTH	BADGE ACCESS
Privacy	50 min	FC

Privacy Essentials for Security Professionals PRV-T06

Todd Fitzgerald, Managing Director/CISO, CISO SPOTLIGHT, LLC

Security officers and practitioners need to be versed in the privacy language. Session will explore US, Canadian and EU law, GDPR challenges, Privacy Shield, and today's fundamental privacy concepts.

TRACK	SESSION LENGTH	BADGE ACCESS
Protecting Data & the Supply Chain Ecosystem	50 min	FC

Rethinking Efficient Third-Party Risk Management PDAC-T06

Todd Inskip, Principal, Cyber Security Strategy, Booz Allen Hamilton

Third-party risk programs can take a lot of resources. Build an efficient and cost-effective program for your company by thinking differently about third-party risk.

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	50 min	FC

Future-Proof Cybersecurity Strategy STR-T06

Timothy Lee, CISO, City of Los Angeles/ITA

This presentation will focus on three must-haves for CISOs to future-proof their cybersecurity strategy.

11:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 min	ALL

Cybersecurity Silo-Busters 1, Cyberthreat Actors 0 (Game in Progress) SPO1-T06

Koos Lodewijckx, VP & CTO, IBM Security; **Sridhar Muppidi**, VP & CTO, IBM Security

Learn how to empower critical information-sharing about potential threats across multiple data sources to improve organizational productivity.

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 min	ALL

Using Machine Learning to Improve Security Predictions SPO2-T06

Grant Bourzikas, Chief Information Security Officer (CISO) & Vice President of McAfee Labs Operations, McAfee

In this session, McAfee's CISO will provide a "how to" for organizations to improve their security by predicting attacks through insights gleaned from data science and machine learning.

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 min	ALL

Harnessing the Law of Data Gravity – Cyber Defense and the Hybrid Cloud SPO3-T06

Sian John, Chief Security Advisor, Microsoft; **Diana Kelley**, Cybersecurity Field CTO, Microsoft

The law of data gravity guides your SOC teams to focus on intelligent automation and security decision making where context and integration is most abundant.

TRACK	SESSION LENGTH	BADGE ACCESS
Technology Infrastructure & Operations	50 min	FC

Cybersecurity Tips, Tools and Techniques for Your Professional Toolbag TECH-T06

Ron Woerner, President / Chief Trusted Advisor, RWX Security Solutions, LLC

This rapid-fire session provides a vast array of security apps for any situation. You will see security tools such as Nmap, Kali Linux, SysInternals Suite, Wireshark and many more in action.

11:10 AM

TRACK	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Identity = Security BC-T25

Michael Kaczmarek, VP, Product and Solutions Marketing, Neustar

Identity is an actionable understanding of who or what is on the other end of any connection. Leveraging identity to tailor protection is the future of online security.

TUESDAY

TUESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

11:40 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Leverage the Latest Threat Intelligence to Stay Ahead of Cyberthreats BC-T3N

Dmitriy Ayrapetov, Executive Director, Product Management, SonicWall

Take an in-depth look at data and trends from the SonicWall Capture Threat NetworkSecurity Center. Then see how SonicWall can help personalize threat data to your environment, so you can take informed, decisive actions.

Expo Briefing Center South	20 min	ALL
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Get Your Head Out of the Cloud. Zero-Trust Access for Hybrid IT. BC-T3S

Bryan Embrey, Sr. Product Marketing Manager, Pulse Secure

Multicloud is the new IT normal, but is there a simple and secure way to give appropriate app connectivity to the cloud and data center? Find out how with a zero-trust framework for hybrid IT.

12:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

In Nine Months, You Could Be Fined for a CCPA Violation. Want to Know Why? BC-T4S

Nick Cavallancia, Founder and Chief Techvangelist, Netwrix

Join this session to learn about the looming CCPA, the challenges it presents to your organization, how it will impact your IT team and key grey areas to look into.

12:20 PM

Expo Briefing Center North	30 min	ALL
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Zero-Trust Privilege for the Modern Threatscape BC-T4N

David McNeely, Chief Strategy Officer, Centrify

This session will explore the zero-trust approach to privileged access management, which mandates a "never trust, always verify, enforce least privilege" approach.

TUESDAY

Threats can
come from
anywhere,
so we
protect you
everywhere.



Intelligent Security Starts at the Edge

To drive innovation, your security architecture needs to transform from the data center, beyond the cloud, to the Edge. Akamai is the Edge.

Visit Akamai today at **Booth N 6153** to learn how we help:

- Protect Internet-facing apps and APIs
- Secure customer experiences to stop fraud and credential abuse
- Keep users safe from targeted threats in the move to Zero Trust
- Secure corporate application access

Take part in our **#AkamaiCrackTheCode** challenge by visiting Akamai at **Booth N 6153**.

TUESDAY SESSION DETAILS

12:40 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Detect and Block Web App Attacks— Before They Strike Your Business BC-T55

Rusty Carter, VP, Product Management, Arxan Technologies

Bad actors are evading traditional security measures. Learn how to extend protection to the web app endpoint, to provide greater visibility and response capabilities before attacks hit infrastructure.

1:00 PM

Analytics, Intelligence & Response	50 min	FC
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ATT&CK in Practice: A Primer to Improve Your Cyber-Defense AIR-T07

Freddy Dezeure, CEO, Freddy Dezeure BVBA; **Richard Struse**, Chief Strategist, Cyber Threat Intelligence, MITRE Corporation

A primer into the ATT&CK Framework, starting from describing adversary behavior to practical operational use cases in prevention, detection and response and highlighting relevant supporting tools.

Application Security & DevSecOps	50 min	FC
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DevOps' Seven Deadly Diseases ASD-T07

John Willis, Founder, Botchagalupe Technologies

In this presentation, we will look at the "Seven Deadly Diseases" of IT organization work and show examples of how to uncover these diseases through a process of organizational forensics.

Blockchain & Applied Crypto	50 min	FC
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Blockchainification of Cyber-Supply Chain Risk: Hype vs. Hope BAC-T07

Celia Paulsen, Cybersecurity Researcher, National Institute of Standards and Technology

Get to the bottom of fact and fiction as an NIST researcher discusses how various blockchain technologies are or could be used, focusing on cyber-supply chain risk management.

C-Suite View	50 min	FC
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Building Security In—DevSecOps CXO-T07

Noopur Davis, SVP, Chief Product and Information Security Officer, Comcast Business

Comcast uses a DevSecOps approach to security, focusing on automation, speed and development team empowerment. It's agile and effective. It's about building security in rather than bolting it on.

1:00 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Cryptography	50 min	FC

ID-Based and Predicate Encryption CRYP-T07

Olivier Blazy, Associate Professor, Xlim, Université de Limoges; **Sayantana Mukherjee**, IISc, Bangalore

Techniques for enhancing identity-based encryption and predicate encryption will be discussed.

TOPIC 1: Downgradable Identity-Based Encryption and Applications
Authors: *Olivier Blazy; Paul Germouty; Duong Hieu Phan*

TOPIC 2: Large Universe Subset Predicate Encryption Based on Static Assumption (without Random Oracle)
Authors: *Sanjit Chatterjee; Sayantan Mukherjee*

Expo Briefing Center North	30 min	ALL
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Hunting the Hunters: Going Behind Enemy Lines BC-T5N

Brian Hussey, VP, Cyber Threat Detection and Response, Trustwave

Learn about top government sponsored threat actors targeting the US. Trustwave will demonstrate attacks and how to defend against them via threat-hunting, endpoint and network-security services.

Governance, Risk & Compliance	50 min	FC
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The Metrics Manifesto GRC-T07

Richard Seiersen, President, M-Cubed

Learn to make metrics like a pro using predictive analytics. Walk away inspired to apply these approaches to security operations as well as board presentations.

Hackers & Threats	50 min	FC
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Secure the Pod Bay Doors, HAL: Cybersecurity Risks of IoT Automation HT-T07


Stephen Hilt, Senior Threat Researcher, Trend Micro; **Numaan Huq**, Senior Threat Researcher, Trend Micro

Find out how two researchers built and hacked into home automation systems and, based on their findings, discuss how to lower the risks that these complex IoT environments are creating.

Human Element	50 min	FC
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The Art of the Nudge, Cheap Ways to Steer User Behavior HUM-T07

HUM-T07

 **Branden Williams**, Director, Cyber Security, Union Bank

Manipulating human behavior is one of the oldest learned crafts of any civilization. This session will teach attendees how to nudge employees to choose a secure pathway when presented with a choice.

Identity	50 min	FC
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Studies of 2FA, Why Johnny Can't Use 2FA and How We Can Change That IDY-T07

L Jean Camp, Professor, Indiana University; **Sanchari Das**, Doctoral Researcher, Indiana University

Knowing why people do not adopt 2FA and the work-arounds undermining 2FA enables strategies and interactions to increase acceptability. The science, the tools and the techniques for 2FA usability.

TUESDAY

TUESDAY SESSION DETAILS

BADGE ACCESS: FC = Open to Full Conference Registrants only • ALL = Open to all attendees

1:00 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Law	50 min	FC

Elections at Risk: Global Threats / Local Impact LAW-T07

MODERATOR: *Michael Aisenberg*, Principle Cyber Policy Counsel, The MITRE Corporation

PANELISTS: *Serge Jorgensen*, Founding Partner/CTO, Sylint Group; *Robert Martin*, Senior Principal Engineer, MITRE Corporation; *Kay Stimson*, VP, Government Affairs, Dominion Voting Systems; *Lucy Thomson*, Attorney, Livingston PLC

Combatting cyberattacks and social media manipulation to interfere with elections is critical. Learn about vulnerabilities, attacks and consensus proposals for strong, resilient election systems.

Machine Learning & Artificial Intelligence	50 min	FC
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The Rise of the Machines, AI- and ML-Based Attacks Demonstrated MLAI-T07

Etienne Greeff, CTO, SecureData Europe; **Wicus Ross**, Lead Researcher, SecureData Labs

Until now there has been little practical examples of the offensive use of AI and ML. This talk will introduce and demonstrate two novel attacks using topic modelling together with some defensive strategies.

1:00 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 min	FC

Evolution of AI-Bot Swarming Intelligence with Robots MBS-T07

Thomas Caldwell, President, CTO, League of AI

Botnets, chatbots, social media bots exist in society. AI-Bots use cognitive swarming intelligence to form security teams with robots and humans, enabling a new layer of cyber- and physical security.

Policy & Government	50 min	FC
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Cybersecurity Rubicon: Is US Domestic and Foreign Cyber-Policy on Track PNG-T07

MODERATOR: *Sam Curry*, Chief Security Officer, Cybereason

PANELISTS: *Mieke Eoyang*, Vice President for the National Security Program, Third Way; *Chris Painter*, Commissioner, Global Commission on the Stability of Cyberspace; *Eric Rosenbach*, Co-Director, Belfer Center for Science and International Affairs; *Ari Schwartz*, Managing Director, Venable; *Kiersten Todt*, President and Managing Partner, Liberty Group Ventures; Managing Director, The Cyber Readiness Institute

American cyber-policy has undergone massive shifts over the last three years. Is the country gaining or losing ground relative to its nearest competitors?

TUESDAY

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TUESDAY SESSION DETAILS

1:00 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Privacy ^{2x}	50 min	FC

Connected Cars: A Security and Privacy by Design Study 10 Years in the Making PRV-W03R

Ed Adams, CEO, Security Innovation, Inc.; **Larry Ponemon**, Founder, The Ponemon Institute

Connected cars—what could go wrong? Learn about the safety, security and privacy trade-offs, and the Privacy by Design system used for “Talking Cars,” a program to save 10,000 lives per year.

Privacy	50 min	FC
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New Rules: Comparing the CA Consumer Privacy Act and EU GDPR—What Every Security Professional Needs to Know PRV-T07

MODERATOR: **John Carlin**, Partner, Morrison & Foerster LLP
PANELISTS: **Lisa Monaco**, Former White House Homeland Security, and Counterterrorism Advisor; **Snir Ben Shimol**, Director of Cybersecurity, Varonis

Current and former US and EU government insiders discuss recent regulatory developments regarding data protection, trends and practical takeaways for avoiding government scrutiny or litigation.

Professional Development	50 min	FC
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Roadmap to Entrepreneurial Success: Lessons Learned Along The Way PROF-T07

Paul Burmester, Head of Innovation & Partnerships, Singtel Innov8; **Gene Teare**, Head of Content, Crunchbase

You’ve got a brilliant idea; how do you see it through in the crowded startup world? Join this fireside chat for valuable lessons learned, mistakes to avoid and what it takes to thrive as an entrepreneur.

Protecting Data & the Supply Chain Ecosystem	50 min	FC
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When the One You Trust Hurts You Most: Real-World Attack, Real-Time Response PDAC-T07

Bret Hartman, VP and CTO, Security Business Group, Cisco Systems; **Jyoti Verma**, Technical Leader, Cisco Systems

Experience a real-time, real-world supply chain attack fueled by rapid internal lateral movement. Watch as split-second, critical decisions are made to stop one of today’s most challenging attacks.

Security Strategy & Architecture	50 min	FC
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The Digital Risk Dilemma: How to Protect What You Don’t Control STR-T07

Nick Hayes, VP of Strategy, InSights

More of your attack surface resides on web infrastructure you don’t own or control. This session will outline the tools, tactics and best practices to protect your entire digital footprint.

1:00 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 min	ALL

Accelerate and Simplify Incident Response with Security Automation SPO1-T07

Nick Bilogorskiy, Cybersecurity Strategist, Juniper Networks

Explore how to effectively leverage machine learning and automation to accelerate and simplify incident response.

Sponsor Special Topics	50 min	ALL
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99 Security Products and You Still Got Breached? SPO2-T07

Matthew Chiodi, Chief Security Officer, Public Cloud, Palo Alto Networks; **Sandra Wenzel**, Sr. Systems Engineer, Palo Alto Networks

The cybersecurity industry has misled us. Buying the sexiest point products has not delivered better security. Understand why and learn how simplicity in security platforms must prevail moving forward.

Sponsor Special Topics	50 min	ALL
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Playing with Fire: How Cyber-Physical Attacks Threaten Our Connected World SPO3-T07

Sandra Joyce, Vice President and Head of Global Intelligence Operations, FireEye

The scale and impact of malicious nation-state cyber-activity is striking. Future attacks could have more significant real-world consequences to the health, safety and security of civilians worldwide.

Technology Infrastructure & Operations	50 min	FC
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2028 Future State: Long Live the Firewall? TECH-T07

MODERATOR: **Harry Sverdlow**, CTO and Founder, Edgewise Networks
PANELISTS: **Jennifer Minella**, VP of Engineering & Security, Carolina Advanced Digital, Inc.; **Marcus Ranum**, Consultant, Independent; **Adam Shostack**, President, Shostack & Associates

Using threat modeling and best practices to understand how firewalls must evolve to tackle the current and future challenges of network security.

1:10 PM

Expo Briefing Center South	20 min	ALL
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The Scarlet Email: A Look at the Financial Underbelly of BEC Criminal Groups BC-T6S

Josh Wilson, Field CTO, Agari

This presentation will discuss the tactics used by a BEC group called Scarlet Widow to recruit money mules using romance schemes and how the group uses online services to launder stolen gift cards.

TUESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

1:40 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Highlighting Security Blind Spots in the DevOps Butler BC-T6N

Nimrod Stoler, Security Researcher, CyberArk

Is your DevOps infrastructure secure? We'll explore in-depth research on the Jenkins automation server, tactics to identify security weaknesses and best practices to mitigate risk and protect secrets.

Expo Briefing Center South	20 min	ALL
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Is DNS Part of Your Cybersecurity Strategy? BC-T75

Craig Sanderson, VP Product Management – Security, Infoblox

DNS is critical to the fabric of the Internet. Attackers often exploit DNS to steal data and as a malware control point. Learn how organizations can use DNS as a pervasive asset for threat defense.

2:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Cloud Revolution—Digital Transformation and Disruption of Data Protection BC-T85

Gary Marsden, Senior Director, Encryption Products and Cloud Solutions, Gemalto

Tech and commercial advances underpinning cloud introduce irreversible changes, compliance needs, threats, but significant opportunities. This session will discuss challenges and how we overcome the disruption.

2:20 PM

Analytics, Intelligence & Response	50 min	FC
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Flash War: Tapering an Accelerating Attack Chain AIR-T08

Derek Manky, Chief of Security Insights, Global Threat Alliances, Fortinet, Inc.

Breach latency is decreasing, attacks now swiftly penetrate networks using automation/swarm technology. Dwell time is long. Kill chain defense needs to step up to taper this accelerating attack chain.

TUESDAY

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a numbers game.*

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TUESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

2:20 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Application Security & DevSecOps	50 min	FC

Building Security Processes for Developers and DevOps Teams ASD-T08

Ainsley Braun, CEO, Tinfoil Security, Inc.

With code being pushed as quickly as every hour, adjustments have to be made to the way security works. Train your developers to take on security concerns and work with your team.

TRACK	SESSION LENGTH	BADGE ACCESS
Blockchain & Applied Crypto ^{2x}	50 min	FC

Mechanical Backdoors in Cold War Encryption Machines BAC-T08

Marcus Sachs, Chief Security Officer, Pattern Computer

Many stories have been told about breaking the Enigma. This talk will cover mechanical Hagelin cipher devices that were sold “pre-broken” during the Cold War, and used by some countries into the 1990s.

TRACK	SESSION LENGTH	BADGE ACCESS
C-Suite View	50 min	FC

How to Make Sense of Cybersecurity Frameworks CXO-T08

Frank Kim, Senior Instructor, SANS Institute

Learn how to make sense of the veritable alphabet soup of cybersecurity frameworks to simplify the complex world of security and structure your program to meet both business and technology goals.

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization	50 min	FC

Using Automation to Help Achieve Security in a Multicloud Environment CSV-T08

Brad Arkin, VP, Chief Security Officer, Adobe

Security in a multicloud environment requires investment in automated tools to help ensure consistency with security policies and compliance. This session will discuss some of the components needed for an automated security stack.

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization ^{2x}	50 min	FC

A Cloud Security Architecture Workshop CSV-T07R

Dave Shackelford, Sr. Instructor, SANS Institute

Core cloud security architecture best practices, based on too many projects and deployments to count. This session will quickly bring you up to speed on cloud security architecture design principles.

TRACK	SESSION LENGTH	BADGE ACCESS
Cryptography	50 min	FC

Homomorphic Encryption CRYP-T08

Malika Izabachène, Research Engineer – Cryptography Expert, CEA LIST; **Yuriy Polyakov**, Associate Research Professor, New Jersey Institute of Technology

Theory and implementation of homomorphic encryption will be discussed.

TOPIC 1: An Improved RNS Variant of the BFV Homomorphic Encryption Scheme

Authors: Shai Halevi; Yuriy Polyakov; Victor Shoup

TOPIC 2: New Techniques for Multivalued Input Homomorphic Evaluation and Applications

Authors: Sergiu Carpov; Malika Izabachène; Victor Mollimard

2:20 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Next-Gen Cloud Security Architectures for the Cloud-First Future BC-T7N

Christopher Park, Chief Technical Implementation Officer, iboss

This session will discuss available cloud-based security options and the advantages of next-gen containerized cloud gateway architecture for achieving scalable, hardware-free compliance and security.

TRACK	SESSION LENGTH	BADGE ACCESS
Governance, Risk & Compliance	50 min	FC

Finding the Right Answers—Facilitating Insider Threat Analysis Using OCTAVE GRC-T08

Randy Trzeciak, Technical Manager, Software Engineering Institute; **Brett Tucker**, Technical Manager, Cyber Risk, Carnegie Mellon University, Software Engineering Institute

This session will provide a scripted risk facilitation discussion with one of the industry’s leading experts in insider threat programs, Randy Trzeciak, using the OCTAVE FORTE process.

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats	50 min	FC

Mirai Nikki: The Future of DDoS HT-T08

Elliott Peterson, Special Agent, FBI

This is the untold story of the international investigation team racing to stop Mirai Botnet DDoS attacks, what they learned, and what the future of DDoS botnets will look like.

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats Advanced ^{2x}	50 min	FC

What’s Your Game Plan? Leveraging Apple’s Game Engine to Detect Threats HTA-T08

Patrick Wardle, Co-Founder, Digita Security

To detect new Mac malware, a behavior-based approach is needed. Our open-source monitoring framework provides input to a rule-based system that leverages Apple’s game engine to detect threats.

TRACK	SESSION LENGTH	BADGE ACCESS
Human Element	50 min	FC

Cyber-Influence: Cyberwar and Psychological Operations HUM-T08

Lawrence Dietz, General Counsel, TAL Global Corporation

The real cyberwar is one of influence. We have seen that the Russians and ISIS are very good at it, while the US and allies lag. This session will explore why this is the case.

TRACK	SESSION LENGTH	BADGE ACCESS
Identity	50 min	FC

More than Vaulting: Adapting to New Privileged Access Threats IDY-T08

Lance Peterman, Security Architect, Merck

Today’s threats are changing rapidly, is your privileged access management (PAM) program keeping up? We’ll update PAM’s evolution, look at new threats and discuss new approaches to reducing risk.

TUESDAY

2:20 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Law	50 min	FC


DHS Hackers and the Lawyers Who Advise Them LAW-T08

MODERATOR: *Gabriel Taran, Assistant General Counsel for Cybersecurity, Department of Homeland Security*
PANELISTS: *Jason Hill, Deputy Chief, NCATS, CS&C, Department of Homeland Security; Rob Karas, Director, Cybersecurity & Infrastructure Security Agency's (NCATS) Program; Matthew Slowik, Attorney, DHS OGC, Department of Homeland Security; Kelly Thiele, Cybersecurity Analyst, Cybersecurity and Infrastructure Security Agency's (NCATS) Program*


Government hackers open their toolboxes while their lawyers discuss the complex legal issues that can result. The team will share examples of mitigating legal pitfalls to provide actionable services and results.

Learning Labs 	2 HRS	FC
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How to Run a Cyber-Incident Response Exercise Using an Open-Source Scenario LAB1-T08

 *John Elliott, Data Protection Specialist; Tim Wiseman, Author*

The more times an organization practices managing a security incident, the better it gets at responding to a real one. You'll learn the skills to facilitate an exercise and take away a scenario to use.

Learning Labs 	2 HRS	FC
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Bad Intelligence: Or How I Learned to Stop Buying and Love the Basics LAB2-T08

Heather Gantt-Evans, Senior Manager, EY; Larry Lipsey, Senior Consultant, EY; Brett Rogers, Manager, Cybersecurity, EY

Following the intelligence "gold rush," buying every feed and tool available, organizations were left with a hefty bill for "bad intel." This talk will share a basic framework to produce and target intelligence.

Learning Labs 	2 HRS	FC
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Crypto Hero (Hands-On) LAB3-T08

Elizabeth Biddlecome, Instructor, CCSF; Sam Bowne, Instructor, CCSF; Kaitlyn Handelman, Instructor, CCSF; Travis Knapp-Prasek, Student, CCSF

Will cover encryption systems and blockchains, including AES, RSA, Bitcoin, Ethereum, Stellar and quantum computation. Participants must bring a laptop capable of running VMware virtual machines.

Learning Labs 	2 HRS	FC
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Cloud CTF: Identifying and Resolving Attacks in Azure LAB4-T08

Lesley Kipling, Lead investigator / Chief Security Advisor, Microsoft; Ola Peters, Cybersecurity Incident Response and Recovery Architect, Microsoft; Anthony Petito, Incident Response Team Lead, Microsoft; Jonathan Trull, Senior Director, Cyber, Microsoft

Get your hands dirty as a member of Contoso's blue team investigating and resolving a series of attacks against cloud workloads hosted in Azure.

Machine Learning & Artificial Intelligence	50 min	FC
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AI: Hacking without Humans How Can Human Brains Be Hacked? MLAI-T08

Anthony J. Ferrante, Global Head of Cybersecurity and Senior Managing Director, FTI Consulting, Inc.

AI models are built with a type of machine learning called deep neural networks (DNNs). This presentation will discuss the security, ethical and privacy concerns surrounding this technology.

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TUESDAY SESSION DETAILS

2:20 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 min	FC

Mobile Security and the Post-Perimeter World: 10 Years of Mobile Threats MBS-T08

Michael Murray, Chief Security Officer, Lookout; **Apurva Kumar**, Security Intelligence Engineer, Lookout

The first decade of widespread use of mobile technologies saw a constant evolution of the attack landscape. The coming decade will see them continue to evolve and adapt to a post-perimeter world.

TRACK	SESSION LENGTH	BADGE ACCESS
Policy & Government	50 min	FC

The Women Driving Innovation in State Cybersecurity PNG-T08

MODERATOR: **Maggie Brunner**, Program Director, Cybersecurity, Emergency Communications & Technology, National Governors Association

PANELISTS: **Deborah Blyth**, CISO, State of Colorado; **Chetrice Mosley**, Cybersecurity Program Director, Indiana Department of Homeland Security Office of Technology; **Maria Thompson**, State Chief Information Risk Officer, North Carolina Department of Information Technology

Panelists will explore how women are leading innovation in state cybersecurity policy and training the next generation.

TRACK	SESSION LENGTH	BADGE ACCESS
Privacy	50 min	FC

Use of Facial Recognition to Combat Terrorism PRV-T08

MODERATOR: **Sam Kaplan**, Chief Privacy Officer, Department of Homeland Security

PANELISTS: **Debra Danisek**, Privacy Officer, US Customs and Border Protection; **Michael Hardin**, Director of Planning, Program Analysis and Evaluation, Office of Field Operations, US Customs and Border Protection; **Christopher Pierson**, Founder & CEO, BLACKCLOAK; **C.M. Toke Vandervoort**, VP, Deputy General Counsel, Under Armour, & DHS Data Privacy & Integrity Advisory Committee Member

Learn about the government's use of facial recognition technology to facilitate a large-scale transformation of international travel to and from the United States.

TRACK	SESSION LENGTH	BADGE ACCESS
Protecting Data & the Supply Chain Ecosystem	50 min	FC

Your Data's Integrity: Protect and Respond to Ransomware and Critical Events PDAC-T08

Anne Townsend, Lead Cybersecurity Engineer, NIST/NCCoE – MITRE

Dive deep into NIST's newest Data Integrity publications and learn how to identify, protect, detect, respond to, and recover from ransomware, malware, or honest human mistakes.

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	50 min	FC

Lift and Shift, Don't Lift and Pray: Pragmatic Cloud Migration Strategies STR-T08

Rich Mogull, Analyst & CEO, Securosis

Learn the latest best practices for migrating even the oldest organizational resources into the cloud.

2:20 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	210 min	FC

A General Introduction to Modern Cryptography STR1-T08

Josh Benaloh, Senior Cryptographer, Microsoft

This session will offer a beginner's tour through the basics of modern cryptography and a few topical applications.

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 min	ALL

Machine Learning: The What and Why of AI SPO1-T08

Timothy Keanini, Distinguished Engineer, Advanced Threat Solutions, Cisco

Learn what machine learning is and examine different techniques and when to use them. You'll become more informed and gain six questions to ask vendors.

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 min	ALL

Using the Cloud to Secure vs. Securing the Cloud SPO2-T08

Tom Corn, GM, SVP of Security Products, VMware, Inc.

We've harnessed the unique properties of private/public clouds to revolutionize how we architect and run applications. Can we harness these properties to revolutionize how we secure them? Come see how.

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 min	ALL

How to Apply a Zero-Trust Model to Cloud, Data and Identity SPO3-T08

Nicolas Popp, SVP Info Protection, Symantec

A safe migration to Office 365, AWS, Azure, etc. requires tenants such as visibility, protection and control. This session will discuss best practices on how to accomplish zero trust in the cloud.

TRACK	SESSION LENGTH	BADGE ACCESS
Technology Infrastructure & Operations	50 min	FC

Back to the Basics: How to Create Effective Information Security Policies TECH-T08

Chuck Kesler, Chief Information Security Officer, Pendo.io

This case study from Duke Health and Duke University will share an approach for using virtualized secure enclaves for addressing security and compliance challenges in healthcare and academic research.

TRACK	SESSION LENGTH	BADGE ACCESS
Technology Infrastructure & Operations	50 min	FC

Cybersecurity Tips, Tools and Techniques for Your Professional Toolbox TECH-T06R

Ron Woerner, President / Chief Trusted Advisor, RWX Security Solutions

This rapid-fire session provides a vast array of security apps for any situation. You will see security tools such as Nmap, Kali Linux, SysInternals Suite, Wireshark and many more in action.

TUESDAY

TUESDAY SESSION DETAILS

BADGE ACCESS: FC = Open to Full Conference Registrants only • ALL = Open to all attendees

2:40 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Edge Computing: New Hope against Insider Threat? BC-T9S

Hoke Smith, Director, Security and Analytics, Nuix

Insider attacks can be some of the most damaging. Learn about a new approach that makes use of real-time analytics at the edge to detect and even prevent attacks.

3:00 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

The Five Stages of Security Change in the World of Converged IT/IoT/OT BC-T8N

Ellen Sundra, VP, Systems Engineering, ForeScout

Changing from siloed security to the converged world of all-connected networks and devices? Learn best practices to effectively address this challenge from someone who's been through it before.

3:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Spartacus as a Service: Privacy, Obfuscation and the Right to Be Forgotten BC-T10S

Mike Kiser, Strategist and Evangelist, Office of the CTO, SailPoint

This session will examine the current state of the right to be forgotten and then proposes an alternative solution suggested by the life of Spartacus: privacy through obfuscation.

3:40 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Analytics, Intelligence & Response	50 min	FC

Unraveling Detection Methodologies: Indicators vs. Anomalies vs. Behaviors AIR-T09 ⚙️

Joe Slowik, Adversary Hunter, Dragos

IOCs, anomalies and behaviors are used without examining just what these terms mean for defense. This presentation will explore these terms in depth to see just what each means and its benefits.

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Application Security & DevSecOps	50 min	FC

Release Your Inner DevSecOp ASD-T09

Shannon Lietz, Director, Intuit; **James Wickett**, Head of Research, Signal Sciences

DevSecOps brings security to the DevOps party, completely changing the security playbook. This talk will cover 10 practices and patterns we've implemented, bringing DevSecOps value to everyone involved.

3:40 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Blockchain & Applied Crypto	50 min	FC

Cryptojacking: What's in Your Environment? BAC-T09

Ayse Kaya Firat, Head of Analytics and Customer Insights, Cisco Systems; **Austin McBride**, Threat Analytics Researcher, Cisco

Cryptojacking, cloud miners, crypto phishing and the criminal enterprises behind them. What are malicious actors doing with crypto and how they are profiting from your environment at your expense.

TRACK	SESSION LENGTH	BADGE ACCESS
Blockchain & Applied Crypto 2x	50 min	FC

From Ephemeral Infrastructure to Ephemeral Communications BAC-T06R

Paul Kocher, Founder & Researcher, Cryptography Research Inc.; **Joel Wallenstrom**, CEO, Wickr

Why the combination of end-to-end encryption and ephemerality is the most powerful security enforcer and antidote to mainstream data-obsessed and security-poor business models.

TRACK	SESSION LENGTH	BADGE ACCESS
C-Suite View	50 min	FC

CISO: How to Understand and Manage Your Human Risk CXO-T09

Lance Spitzner, Director, SANS Institute

Key to managing human risk is a mature awareness program. This talk will provide CISOs a roadmap and proven examples of what success looks like, the models to leverage and the path to get there.

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization	50 min	FC

Security at the Speed of DevOps: A Reality Check CSV-T09

Steve Martino, SVP, Chief Information Security Officer, Cisco Systems; **Sujata Ramamoorthy**, Sr. Director, Information Security, Cisco Systems

Speed is at the core of today's digital business. Join this session to hear how security meets the speed of business at Cisco using DevSecOps practices.

TRACK	SESSION LENGTH	BADGE ACCESS
Cryptography	50 min	FC

Functional Encryption CRYP-T09 ⚙️

Răzvan Roşie, Ph.D. Student, ENS Paris, CNRS, INRIA, PSL Research University and University of Luxembourg

Methodologies for enhancing functional encryption will be discussed. Topic 1: Efficient Function-Hiding Functional Encryption: From Inner-Products to Orthogonality Authors: **Manuel Barbosa**; **Dario Catalano**; **Azam Soleimani**; **Bogdan Warinschi**

Topic 2: Robust Encryption, Extended Authors: **Rémi Géraud**; **David Naccache**; **Răzvan Roşie**

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Attack Simulation: Exfiltrating Data from an Organization without Hacking It BC-T11S

Clifford Vazquez, Director Enterprise Architect Capgemini's Cybersecurity Global Service Line, Capgemini

Learn about the latest attack methods that avoid detection and define how your organization should react to today's cyberattacks.

TUESDAY SESSION DETAILS

3:40 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Protecting Your Organizations' Very Attacked People BC-T9N

Jennifer Cheng, Director, Product Marketing, Proofpoint

Attackers are targeting organizations in new ways, through their people. These targets are called VAPs (very attacked people). This session will focus on how to identify them and how to protect them.

Governance, Risk & Compliance 2x	50 min	FC
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We're Not in Kansas Anymore: Measuring the Impact of a Data Breach GRC-T09

Suzanne Widup, Senior Analyst, Verizon Enterprise Solutions

This session will propose a new way to measure data-breach impact for future risk calculations after studying over 4,000 incidents. Characteristics that intensify a breach's effect are discussed.

Hackers & Threats	50 min	FC
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Practical Malware Analysis Essentials for Incident Responders HT-T09

Lenny Zeltser, Instructor, SANS Institute; VP of Products, Minerva Labs

Learn key malware analysis tactics using free tools at this fast-paced, practical session from an industry pioneer. Go beyond automated sandboxes to boost incident response and threat hunting skills.

Hackers & Threats Advanced	50 min	FC
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The Foreshadow Attack: From a Simple Oversight to a Technological Nightmare HTA-T09

Raoul Strackx, Postdoctoral Researcher, Imec-DistriNet, KU Leuven

2018 was the year speculative execution vulnerabilities caused havoc. This session will discuss the Foreshadow/L1TF vulnerability, how it got introduced, what its impact was and how it got mitigated.

Human Element	50 min	FC
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Cyber-Hustle: Security Lessons from Hollywood HUM-T09

Sam Curry, Chief Security Officer, Cybereason; Scott Howitt, SVP, CISO, MGM Resorts International

Security remains a form of human-to-human conflict in spite of the weapons and terrain, and understanding the "old school" hustles and cons from classic and new movies helps our current mission.

Identity	50 min	FC
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Delivering Automated, Modern Enterprise App Auth in Old Orgs, Quickly IDY-T09

Jon Lehtinen, Lead Identity Engineer, Thomson Reuters

Jon Lehtinen's organizations dropped WAM and converted to OIDC/OAuth/SAML, all delivered through self-service. This saves millions and positions them for the future of federated auth profiles. Come learn how.

3:40 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Law	50 min	FC

Blockchain Anchored Swap Meet: A Mock Trial LAW-T09

MODERATOR: Hoyt Kesterson, Senior Security Architect, Avertium

PANELISTS: April Doss, Partner, Saul Ewing Arnstein & Lehr; Serge Jorgensen, Founding Partner/CTO, Sylint Group; Steven Tepler, Partner, Chair Privacy and Security Practice, Mandelbaum Salsburg P.C.; Brian Tsuchida, Chief United States Magistrate Judge, United States District Court, Western District of Washington

Is it possible to create contracts that will stand up in court using a computer-transcribed recording for the agreement, a voice print as an electronic signature, and blockchain for a timestamp?

Machine Learning & Artificial Intelligence	50 min	FC
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Ethical Bias in AI-Based Security Systems: The Big Data Disconnect MLAI-T09

Clarence Chio, Co-Founder, CTO, Unit21; Winn Schwartau, Founder, Winn Schwartau, LLC

We don't know how AI makes decisions; bias in big data is the root of error in security systems. We focus on biases in AI systems, and propose a framework to eliminate bias in data and algorithms.

Mobile & IoT Security	50 min	FC
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Achieving Operational Security Excellence in Connected IoT Solutions MBS-T09

Michele Guel, Distinguished Engineer/IoT Security Strategist, Cisco Systems

This session will summarize key attack vectors against connected IoT systems and explain how specific security concepts and requirements may be combined to mitigate the risk of attacks using those vectors.

Policy & Government	50 min	FC
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Come Get Your Free NSA Reverse Engineering Tool! PNG-T09

Robert Joyce, Senior Advisor, National Security Agency

Overview of NSA's GHIDRA software reverse engineering tool, running on Windows, Mac and LINUX. Supporting a variety of processor instruction sets with expanded functionality uniquely developed at NSA.

Privacy	50 min	FC
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What Should a US Federal Privacy Law Look Like? PRV-T09

MODERATOR: Angeliq Carson, IAPP

PANELISTS: Julie Brill, Corporate Vice President and Deputy General Counsel, Microsoft; Keith Enright, Chief Privacy Officer, Google; Nithan Sannappa, Associate Legal Director, Product, Twitter

A federal US privacy law seems inevitable. What should it look like? How should industry and advocates work together to strike the right balance between consumer concerns and allowing companies to thrive?

Protecting Data & the Supply Chain Ecosystem	50 min	FC
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Due Diligence Meets Small Business: Nightmares from the Other Side PDAC-T09

Lawrence Cruciana, Chief Systems Engineer, Corporate Information Technologies, Corp

This session will present effective techniques that can help to achieve transparency and improvement of third parties that are smaller businesses.

TUESDAY SESSION DETAILS

BADGE ACCESS: FC = Open to Full Conference Registrants only • ALL = Open to all attendees

3:40 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	50 min	FC

Cyber-Defense Matrix Reloaded STR-T09

 **Sounil Yu**, Chief Security Scientist, Bank of America

This session will show new use cases of the Cyber-Defense Matrix, including how to measure controls, align them against emerging threats, and manage your security program through design patterns.

Sponsor Special Topics	50 min	ALL
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HTTPS: Is Privacy Making Us Less Secure? SPO1-T09

Hal Lonas, CTO, Webroot

HTTPS promised many security benefits. But what if this tech is actually opening us up to new vulnerabilities? This presentation will examine why the benefits of HTTPS might not outweigh the risks.

Sponsor Special Topics	50 min	ALL
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Making Security a Competitive Advantage SPO2-T09

Sam King, CEO, Veracode; **Chris Wysopal**, CTO, Veracode

Companies that treat security as a strategic revenue driver by creating secure software and ensuring the software they are using is secure are establishing a competitive advantage over their peers.

Sponsor Special Topics	50 min	ALL
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You Just Got Breached! Is There Any Security Solution That Really Works? SPO3-T09

MODERATOR: **Marie Hattar**, CMO, Keysight Technologies

PANELISTS: **Sean Cordero**, VP of Cloud Strategy, Neskope; **Lance Dubsky**, VP, IT Security Technology, Iron Mountain; **Justin Harvey**, Global Incident Response Leader, Accenture; **Steve McGregory**, Director of ATI Research Center, Ixia

Join us for a panel discussion with industry veterans who have learned the hard way that when it comes to network security, everyone can be the best because everyone has their own metrics.

Technology Infrastructure & Operations	50 min	FC
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Update on Confidential Computing TECH-T09

Olya Ohrimenko, Researcher, Microsoft Research

This session will highlight hardware security advances for confidential computing, featuring research on designing confidential services that leverage TEEs to support consortium blockchains and secure multiparty AI scenarios.

4:10 PM

Expo Briefing Center South	20 min	ALL
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Three Things Every Boardroom Wants to Know BC-T125

Jonathan Goldberger, VP and General Manager, Security Solutions, Unisys

The C-suite is more involved in security—compliance, liability and revenue are all affected by (in)security. This session will discuss what every security program must incorporate into their ballroom reporting.

4:20 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Mind the Gap: Four Key Areas Where Infosec Expectations Fall Short of Reality BC-T10N

Raymond Pompon, Principal Threat Research Evangelist, F5 Networks

This session will examine surveys and field data to identify four key gaps between what security professionals want to get done and what they're actually able to do—and suggest ways to close the gap.

4:40 PM

Expo Briefing Center South	20 min	ALL
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The Nightmare on Cyber-Hygiene Street BC-T135

Nicola Whiting, Chief Strategy Officer, Titania

Examines the technology ecosystem needed to be able to trust AI to unlock a future where robust, resilient systems defend themselves—so we can put to bed our Nightmare on Cyber-Hygiene Street.

5:00 PM

Expo Briefing Center North	30 min	ALL
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Authentication and Security at the Speed of Conversation BC-T11N

Vijay Balasubramaniyan, CEO and Co-Founder, Pindrop

Pindrop will detail the three pillars of their voice identity platform—speed, accuracy and security. The session will show how voice shapes customer experiences and the environmental impact on sounds.

Law	50 min	FC
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Navigating Today's Data Privacy Regulation Labyrinth LAW-T10

MODERATOR: **Greg Silberman**, Chief Privacy Officer, Cylance Inc.

PANELISTS: **Malcolm Harkins**, Chief Security & Trust Officer, Cylance Inc.; **Theresa Payton**, CEO and Founder, Fortalice Solutions; **Ruby Zefo**, Chief Privacy Officer, Uber

Our panel will assess the policy implications of regulatory changes in the US and abroad and their effects on cyberthreat management, data collection and use, and technology innovation.

5:10 PM

Expo Briefing Center South	20 min	ALL
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Dissecting ERP Breaches: They're More Common Than You Know BC-T145

Juan Pablo Perez-Etchegoyen, CTO, Onapsis

It seems like everyday there is another high profile breach in the news that details customer records lost, compliance failures and bad cybersecurity hygiene. Do you ever wonder where these records are maintained in the organization or what applications were exposed?

WEDNESDAY EVENTS & ACTIVITIES

6:00 AM – 7:00 AM **POWER PAUSE—MINDFULNESS & MOVEMENT***
Moscone West Level 2 Alcove
This yoga class and meditation session is designed for all levels from beginners to advanced practitioners.

7:00 AM – 8:00 AM **CONTINENTAL BREAKFAST***
Various Locations
Full Conference Pass holders, breakfast is available in Moscone West Levels 2 & 3 and Moscone South Levels 2 & 3.

7:00 AM – 7:50 AM & 12:40 PM – 1:30 PM **BIRDS OF A FEATHER***
Moscone West Level 3
Grab your breakfast or lunch and bring it to the discussion rooms. Some topics are pre-defined and led by speakers, others will develop organically; by design, this is loosely structured to give you an opportunity to network and set the agenda for discussions of interest to you. **Note: Press is not permitted in Birds of a Feather sessions.**

7:00 AM – 8:00 AM **FIRST-TIMERS MEET-UP***
Moscone West Level 2 Alcove
Enjoy this time to regroup, share takeaways and, of course, caffeinate.

KEYNOTES

Keynote abstracts can be found on pages 32 – 33.







- 8:00 AM – 8:50 AM **Hacking Exposed: LIVE—Bypassing NextGen**
South Esplanade
📍 **Stuart McClure**, Chairman and Chief Executive Officer, Cylance Inc.; **Brian Robison**, Chief Evangelist, Cylance Inc.
- 9:20 AM – 10:10 AM **The Role of Security Technologists in Public Policy**
South Esplanade
📍 **Bruce Schneier**, Fellow and Lecturer, Harvard Kennedy School
- 10:30 AM – 10:55 AM **The Power of People: Amplifying Our Human Capacity through Technology and Community**
West Street Level
Ann Johnson, Corporate Vice President, Cybersecurity Solutions Group, Microsoft
- 10:55 AM – 11:15 AM **Palo Alto Networks and Arista Networks CEOs Reveal Secrets to a Successful Cloud Journey**
West Street Level
Nikesh Arora, Chief Executive Officer and Chairman, Palo Alto Networks; **Jayshree Ullal**, President and Chief Executive Officer, Arista Networks
- 11:15 AM – 11:55 AM **Weaponization of the Internet**
West Street Level
MODERATOR: **Ted Schlein**, General Partner, Kleiner Perkins
PANELISTS: **Nathaniel Gleicher**, Head of Cyber Security, Facebook; **Del Harvey**, Vice President, Trust and Safety, Twitter; **Robert Joyce**, Senior Advisor, National Security Agency; **Peter Warren Singer**, Strategist, New America
- 1:30 PM – 2:20 PM **Strategic Competition—The Rise of Persistent Presence and Innovation**
South Esplanade
Olivia Gazis, Intelligence and National Security Reporter, CBS News; **General Paul Nakasone**, United States Army, Commander, United States Cyber Command, Director, National Security Agency, Chief, Central Security Service
- 2:50 PM – 3:40 PM **From Dystopia to Opportunity: Stories from the Future of Cybersecurity**
South Esplanade
Dr. Amit Elazari Bar On, Director, Global Cybersecurity Policy, Intel Corporation, and Lecturer, UC Berkeley School of Information (MICS); 📍 **Keren Elazari**, Analyst & Researcher, K3r3n3.com
- 4:00 PM – 4:25 PM **A View from the Front Lines of Cybersecurity**
West Street Level
Sandra Joyce, Senior Vice President, Global Intelligence, FireEye; 📍 **Kevin Mandia**, Chief Executive Officer, FireEye
- 4:25 PM – 4:50 PM **A Conversation with Donna Brazile and Mary Matalin**
West Street Level
Donna Brazile, Veteran Democratic Political Strategist, Adjunct Professor, Author and Syndicated Columnist; **Mary Matalin**, Celebrated Conservative Voice and Former Presidential Advisor
- 4:50 PM – 5:15 PM **How Technology and Innovative Approaches Can Transform Your Organization**
West Street Level
Megan Smith, Chief Executive Officer, shift7, Third Chief Technology Officer of the United States (2014 – 2017)

8:00 AM – 10:10 AM & 1:30 PM – 3:40 PM **TRACK SESSIONS**
Locations Vary
See detailed information on following pages for descriptions and badge access.

8:00 AM – 12:50 PM & 1:30 PM – 5:00 PM **LAW TRACK SESSIONS***
Marriott Nob Hill A
See detailed information on following pages for descriptions.

8:00 AM – 11:20 AM & 1:30 PM – 4:30 PM **LEARNING LABS***
Moscone West Level 3
Learning Labs provide highly interactive, facilitated learning experiences and are very hands-on and small group oriented. Seating is limited; use Reserve a Seat to schedule your participation. You can only reserve one Lab on your schedule, so pick carefully from our 20 great offerings. **Note: Press is not permitted in Lab sessions.**

WEDNESDAY EVENTS & ACTIVITIES

8:00 AM – 4:00 PM Marriott Yerba Buena 8	RSAC SANDBOX The RSA Conference Sandbox is full of hands-on interactive experiences to test your infosec skills.	Exclusive RSAC Sandbox Media Sponsor: 
8:00 AM – 4:00 PM Marriott, RSAC Sandbox	RSAC CYBREW CAFÉ A full-service coffee bar.	
8:00 AM – 4:00 PM Marriott Yerba Buena 9	RSAC EARLY STAGE EXPO The RSAC Early Stage Expo is the perfect megaphone for emerging infosec startups. Meet over 50 of the industry's most promising newcomers and learn about their innovative products and solutions, and check out the RSAC Early Stage Expo Briefing Center (details on pages 180 – 185).	Exclusive RSAC Early Stage Expo Media Sponsor: 
8:00 AM – 5:00 PM Moscone West Street Level	BROADCAST ALLEY Watch top security publications shoot live and record exclusive interviews.	
9:20 AM – 12:50 PM & 1:30 PM – 5:00 PM Moscone South Level 3	PEER2PEER SESSIONS* P2P sessions enable groups of no more than 30 people that share a common interest to come together and productively explore a specific security topic, facilitated by an experienced practitioner. Note: Press is not allowed in Peer2Peer sessions.	
10:00 AM – 6:00 PM Moscone South Lower Level	RSAC SECURITY OPERATIONS CENTER Take a tour of a working SOC! Head to the Moscone South Lower Level for the RSA Conference Security Operations Center. See what's really taking place on the Moscone Wireless Network in real time.	Sponsored by: 
10:00 AM – 6:00 PM Moscone North & South Lower Levels	EXPO Come see how RSA Conference 2019 exhibitors offer you the latest technological solutions, provide hands-on learning opportunities and demonstrate how they can help you better secure your organization.	
10:30 AM – 4:10 PM Moscone North & South Lower Levels	EXPO BRIEFING CENTER See following pages for abstracts and a complete schedule on pages 115–118.	
11:00 AM – 2:00 PM Howard Street, Mission Street	STREET EATS With options for all tastes, Street Eats is the easy way to fuel up between sessions or get energized before your next keynote. Stop by any of our food trucks on Mission Street or Howard Street.	
11:30 AM – 1:00 PM Marriott Golden Gate B	EXECUTIVE WOMEN'S FORUM MEET & GREET AT RSA CONFERENCE 2019  The Executive Women's Forum and Accenture are hosting a Meet & Greet for all the amazing women attending RSA Conference 2019. Enjoy the company of your peers—some of the brightest minds at the event—for a fun, relaxed, professional get together. Engage and connect with the most dynamic personalities; the women in Information Security who make it happen. Join in interactive discussions and get to know each other. We look forward to meeting you! * All attendees will need an RSA Conference badge to access the Golden Gate level at the Marriott Marquis.	
2:00 PM – 3:00 PM Moscone West Level 2	RSAC SECURITY SCHOLAR POSTER BOARD EXHIBITION RSA Conference Security Scholar connects the brightest up-and-coming cybersecurity students to leading experts, peers and conference attendees. We are offering the RSAC Security Scholars the opportunity to demonstrate their work at a poster board exhibition. Drop by, provide feedback and meet the RSAC Security Scholar Class of 2019!	
4:30 PM – 6:00 PM Moscone North & South Lower Levels	EXPO PUB CRAWL  Enjoy your choice of complimentary beer, wine and non-alcoholic beverages as you visit sponsoring companies' booths to learn about their latest products, services and innovations. Located at select sponsor booths within both halls.	
6:30 PM – 8:00 PM Marriott Golden Gate B	RSAC AFTER HOURS: WHISKEY & WINE TASTING**  Kick off the night with a walk through the "underground cellar." Then, gather in the lounge to sip on an assortment of wines and whiskeys expertly selected from local vineyards and distilleries while soaking up the jazzy sounds of our live band. And keep the night going in our group tasting area, where you can mingle with other cybersecurity connoisseurs and raise a glass to another great year at RSA Conference. Open to Full Conference and Discover Pass holders. Choose one of the RSAC After Hours events on Tuesday, Wednesday or Thursday nights of Conference. Space is limited so make sure to reserve a seat.	

WEDNESDAY

WEDNESDAY SESSION DETAILS

8:00 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Analytics Intelligence & Response	50 MIN	FC

The State of the Union on Cyber-Intelligence AIR-W02

Jared Ettinger, Cyber Intelligence Researcher, Carnegie Mellon University, Software Engineering Institute

Be among the first to hear the results of a study on cyber-intelligence best practices, key challenges and technologies across the US, and learn from the practices of high-performing organizations.

Application Security & DevSecOps	50 MIN	FC
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Will Your Application Be Secure Enough When Robots Produce Code for You? ASD-W02

Hasan Yasar, Technical Manager, Faculty Member, Carnegie Mellon University, Software Engineering Institute

We are inches away from automating code generation. As things are changing, threats are also evolving on attacking SDLC. We need to understand software factory principles to be ready for the future.

Association Special Topics	50 MIN	ALL
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Results of the (ISC)² Workforce Survey AST1-W02

John McCumber, Director, (ISC)²

Awareness of the cybersecurity skills shortage has been growing worldwide. Nevertheless, that workforce gap continues to grow, putting organizations at risk despite increases in tech spending.

Association Special Topics	50 MIN	ALL
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Hearing Voices: The Cybersecurity Pro's View of the Profession AST2-W02

Candy Alexander, President, ISSA International; **Jon Oltsik**, Senior Principal Analyst & ESG Fellow, Enterprise Strategy Group

ISSA/ESG will review the results of the 2018 research on topics such as cybersecurity careers, skills development, organizational considerations and you—the cybersecurity professional.

Association Special Topics	50 MIN	ALL
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Building—and Keeping—Your Cybersecurity Team with Nontraditional Staff AST3-W02

MODERATOR: Rob Clyde, Chair, Board of Directors, ISACA

PANELISTS: Tracey Dedrick, Board Director, ISACA; **Theresa Grafenstine**, Managing Director, Deloitte & Touche LLP; **Tammy Moskites**, Managing Director, Accenture; **Gregory Touhill**, President, Cyxtera Federal Group, Cyxtera Technologies, Inc.

The people are as important as the processes and technology. This ISACA panel will discuss hiring strategies and the training that will engage and retain amid the persistent cybersecurity skills gap.

Blockchain & Applied Crypto	50 MIN	FC
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Automated Fault Analysis of Block Cipher Implementations BAC-W02

Jakub Breier, Senior Cryptography Security Analyst, Underwriters Laboratories

This talk will present a fully automated way to carry out differential fault analysis on assembly implementations of symmetric block ciphers.

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
C-Suite View	50	FC

Doing Security Orchestration, Automation and Response Before It Was Born CXO-W02

Tim Callahan, SVP of Global Security and Chief Security Officer, Aflac Inc.

SOAR technology and techniques ingest info/data, analyze it to understand threats, and auto-block or impede exploitation. Learn how SOAR efficiently blocks millions of avenues of possible compromise.

Cloud Security & Virtualization 2x	50 MIN	FC
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Protecting the Cloud with the Power of Cloud CSV-W02

Jay Kelath, Head of Product Security, Dow Jones & Company; **Pranavkumar Patel**, Senior Security Engineer, Dow Jones & Company

This talk will walk you through Dow Jones Hammer, a self-healing cloud security tool designed to protect hundreds of AWS accounts against misconfiguration with auto-remediation.

Cryptography	50 MIN	FC
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Security Model and White-Box Crypto CRYP-W02

Estuardo Alpirez Bock, Aalto University; **Atsushi Takayasu**, The University of Tokyo

Theoretical aspects of security model and white-box cryptography will be discussed.

TOPIC 1: Tight Reductions for Diffie-Hellman Variants in the Algebraic Group Model

Authors: Taiga Mizuide; Atsushi Takayasu; Tsuyoshi Takagi

TOPIC 2: Doubly Half-Injective PRGs for Incompressible White-Box Cryptography

Authors: Estuardo Alpirez Bock; Alessandro Amadori; Joppe W. Bos; Chris Brzuska; Wil Michiels

Governance, Risk & Compliance 2x	50 MIN	FC
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We're Not in Kansas Anymore: Measuring the Impact of a Data Breach GRC-T09R

Suzanne Widup, Senior Analyst, Verizon Enterprise Solutions

This session will propose a new way to measure data-breach impact for future risk calculations after studying over 4,000 incidents. Characteristics that intensify a breach's effect are discussed.

Governance, Risk & Compliance	50 MIN	FC
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Data Breach or Disclosure: A Quantitative Risk Analysis GRC-W02

Evan Wheeler, CISO, Financial Engines

This session will tackle the supposed limitations of quantitative analysis head on by comparing two data-confidentiality scenarios that appear similar, but analysis reveals meaningful differences.

WEDNESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats	50 MIN	FC

Hacking and Hardening Kubernetes HT-W02

Jay Beale, CTO, COO, InGuardians; Adam Crompton, Senior Security Analyst, InGuardians

Learn to attack and defend Kubernetes! This talk will demonstrate attacks on a Kubernetes cluster, then defenses that break the attacks. Attendees can download the cluster, as well as the defense YAML files.

Hackers & Threats Advanced	50 MIN	FC
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RF Exploitation: IoT and OT Hacking with Software-Defined Radio HTA-W02

Harshit Agrawal, Security Researcher, MIT Academy of Engineering, SPPU; Himanshu Mehta, Team Lead (Senior Threat Analysis Engineer), Symantec

Exploration and use of SDR to exploit the world we live in, full of interconnected devices. The session will discuss planning/phases of attacking RF, illustrating Internet of Radio Vulnerabilities.

Human Element	50 MIN	FC
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The Rise of the Cyber-Culture Hacker HUM-W02

Christine Izuakor, Senior Manager – Global Security Strategy and Awareness, United Airlines

There's a new and critical role brewing in the cybersecurity industry—the cyber-culture hacker. Learn more about what cyber-culture hackers do and why you need one immediately!

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Identity	50	FC

Zero-Knowledge (ZK) Proofs—Privacy-Preserving Authentication IDY-W02

Rajan Behal, Managing Director, KPMG; Karla Clarke, Manager, KPMG

Come and learn how “zero-knowledge (ZK) proofs” breakthrough in cryptography is enabling privacy-preserving authentication. Yes it's possible to give back consumers the control of their personal data.

Law	50 MIN	FC
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AI and Machine Learning: Managing the Risks of Major Lawsuits LAW-W02

MODERATOR: *Stephen Wu, Shareholder, Silicon Valley Law Group*
PANELISTS: *Ted Claypoole, Partner, Womble Bond Dickinson; Abraham Kang, Senior Director Software, Samsung; Natalie Pierce, Shareholder, Littler Mendelson P.C.; Stephen Wu, Shareholder, Silicon Valley Law Group*

How can companies minimize the risk of lawsuits for AI/machine learning accidents, data breaches and other systemic events? Learn action steps to mitigate legal risks for selling and operating AI systems and robots through examples of AI used in financial services, transportation and HR management.

WEDNESDAY

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WEDNESDAY SESSION DETAILS

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Learning Labs	3 HRS	FC

Are You a Secure Coding Champion? LAB3-W02

Pieter Danhieux, Founder & CEO, Secure Code Warrior; **Matias Madou**, CTO & Founder, Secure Code Warrior

These two-hour sessions will be hands-on, guided learning for students. The goal is to teach students new skills by allowing them to work through real-life defensive simulations in secure coding.

Machine Learning & Artificial Intelligence	50 MIN	FC
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Automating Security Controls Using Models and Security Orchestration MLAI-W02

Kurt Lieber, VP, CISO IT Infrastructure, Aetna

To combat new types of malware, organizations need to look at model-driven security orchestration where security responses to emerging threats and attacks are automated and driven at machine speed.

Mobile & IoT Security	50 MIN	FC
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Japan's New Cybersecurity Strategy to Close an IoT Gap MBS-W02

Mihoko Matsubara, Chief Cybersecurity Strategist, NTT Corporation

Japan adopted a new Cybersecurity Strategy and a tax incentive for IoT investments in 2018. This session will analyze current cybersecurity and policy challenges and opportunities in Japan.

Policy & Government	50 MIN	FC
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Nation-States Behaving Badly: The Evolving Rules of the Game in Cyberspace PNG-W02

MODERATOR: Catherine Lotrionte, Brent Scowcroft Scholar, Atlantic Council
PANELISTS: Tom Corcoran, Head of Cyber Security, Farmers Insurance Group; **James Lewis**, Senior Vice President, Center for Strategic International Studies (CSIS); **Paul Rosenzweig**, Senior Fellow, R Street Institute; **Rob Strayer**, Deputy Assistant Secretary for Cyber and International Communications and Information Policy, US Department of State

Cyberspace is regularly described as a lawless domain. This panel will examine recent events to explore whether standards of conduct are evolving that constructively shape behavior.

Privacy	50 MIN	FC
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Lesson Learned: What I Have Experienced While Implementing GDPR PRV-W02

Michael Mrak, Head of Department Compliance, Casinos Austria AG

The GDPR is a big challenge but also opportunity not only for European countries. This presentation will show how an international gaming operator implemented the GDPR.

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Protecting Data & the Supply Chain Ecosystem	50 MIN	FC

Supply Chain Security for Critical Energy Infrastructure PDAC-W02

MODERATOR: Sharla Artz, Vice President, Government Affairs, Policy & Cybersecurity, UTC

PANELISTS: Tom Alrich, Principal Consultant, Tom Alrich LLC; **Art Conklin**, Associate Professor, University of Houston; **Marcus Sachs**, Chief Security Officer, Pattern Computer

The bad guys have figured out that the best way to attack critical energy infrastructure is through the supply chain. What can energy companies do to protect themselves?

Security Strategy & Architecture	50 MIN	FC
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How to Detect and Stop Attacks as They Occur with a Limited Budget STR-W02

John Allred, Senior Manager, EY

What capabilities and tools do you need to detect, remediate and smother attacks in real time?

Technology Infrastructure & Operations	50 MIN	FC
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Getting Practical with Addressing Risks in OT Networks: Where to Start? TECH-W02

Galina Antova, Co-Founder, Claroty

Case studies and best practices from dozens of large organizations—from understanding the true extent of the exposure to prioritizing the concrete measures, as well as addressing governance and IR.

8:10 AM

RSAC Sandbox	2 HRS	ALL
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SANS Core NetWars Experience SBX2-W1

Chris Elgee, Builder & Breaker, Counter Hack Challenges

SANS NetWars Experience develops and tests your information security skills in a safe, interactive environment, while having a little fun with your fellow IT security professionals.

8:30 AM

RSAC Sandbox	30 MIN	ALL
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Internet of Food: How IoT Threatens Fields, Farms and Factories SBX1-W1

Ryan Flores, Senior Manager Threat Research, Trend Micro; **Akira Urano**, Senior Threat Researcher, Trend Micro

Get a taste of the security weaknesses challenging the food production industry as it takes advantage of the efficiencies offered by IoT.

WEDNESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

9:00 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	30 MIN	ALL

Shadow IoT Hacking the Corporate Environment: Office as the New Smart Home SBX1-W2

Ondrej Vlcek, Chief Technology Officer, Avast

Many security teams underestimate the impact of shadow IoT as devices are popping up on corporate networks in the thousands. Live demos of attack on consumer IoT in a "secure" office environment.

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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Internal Combustion: The Insider Threat to Industrial Control Systems BC-W1ESE

David Formby, Co-Founder, CEO/CTO, Fortiphyd Logic, Inc.

Insiders are the most likely threats to ICS networks, yet current security solutions do little to stop them. Come see demos on a 3D ICS simulation to learn how to protect your ICS.

9:20 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Analytics Intelligence & Response	50 MIN	FC

Tales from the Front Lines AIR-W03

MODERATOR: Rob Sloan, Research Director, WSJ Pro Cybersecurity

PANELISTS: Tom Etheridge, VP of Services, CrowdStrike; Stuart McKenzie, VP Mandiant EMEA, FireEye; Wendi Whitmore, Global Lead of IBM X-Force Incident Response and Intelligence Services, IBM Security

This session will educate and entertain attendees with tales from the front lines of incident response. Find out the who, what, where, when, why and how of cyberattacks and what you need to do.

Application Security & DevSecOps	50 MIN	FC
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Security Precognition: Chaos Engineering in Incident Response ASD-W03

Kyle Erickson, Director of IT Security, Optum; Aaron Rinehart, Chief Enterprise Security Architect, Optum

Large distributed systems have unpredictable outcomes that are costly when they occur. IR is a reactive exercise. Chaos engineering allows for IR teams to proactively predict incident patterns.

WEDNESDAY

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WEDNESDAY SESSION DETAILS

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Blockchain & Applied Crypto	50 MIN	FC

Demystifying Quantum Computers BAC-W03

Charlie Kaufman, Security Architect, Dell Technologies; **Radia Perlman**, Fellow, Dell Technologies

This talk will explain what a program on a quantum computer would look like, including how one could break RSA.

C-Suite View 2x	50 MIN	FC
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Building Security In—DevSecOps CXO-T07R

Noopur Davis, SVP, Chief Product and Information Security Officer, Comcast Business

Comcast uses a DevSecOps approach to security, focusing on automation, speed and development team empowerment. It's agile and effective. It's about building security in rather than bolting it on.

C-Suite View	50 MIN	FC
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Inside the Timehop Breach Response CXO-W03

Nick Selby, Director of Cyber Intelligence & Investigations, New York Police Department

With four million European users, Timehop was one of the first to breach personal data under the new GDPR regime. The Timehop disclosure was stunning in its openness and detail. This is how it happened.

Cloud Security & Virtualization	50 MIN	FC
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Securing Cloud-Native Applications at Scale CSV-W03

Ashwin Ambekar, Principal Architect (Security), eBay Inc.

This session will walk through capabilities, security challenges, threat analysis, security strategy and recommendations on best practices for a cloud-native architecture.

Cryptography	50 MIN	FC
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Foundation CRYP-W03 ⚙️

Benedikt Auerbach, Research assistant, Ruhr-University Bochum; **Tim Wood**, University of Bristol/KU Leuven

Topics on cryptographic foundation will be discussed.

TOPIC 1: Error Detection in Monotone Span Programs with Application to Communication-Efficient Multiparty Computation

Authors: Nigel P. Smart and Tim Wood

TOPIC 2: Lossy Trapdoor Permutations with Improved Lossiness

Authors: Benedikt Auerbach; Eike Kiltz; Bertram Poettering; Stefan Schoenen

Cybersecurity Future Proof: 2025	50 MIN	FC
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Building a Defensible Cyberspace: 2025 CSFP-W03

MODERATOR: **Jason Healey**, Senior Research Scholar, Columbia University, School of Public and International Affairs

PANELISTS: **Melody Hildebrandt**, EVP, Fox; **Angela McKay**, Director, Cybersecurity Policy, Microsoft; **Greg Rattray**, Managing Director, JP Morgan Chase; **Phil Venables**, Partner and Chief Operational Risk Officer, Goldman Sachs

A more defensible cyberspace is possible with technology, operation, and policy innovations to give defenders the most advantage at greatest scale at least cost. Learn from five decades of success and failure.

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Governance, Risk & Compliance 2x	50 MIN	FC

GDPR: How to Work Out if Your Security Is "Appropriate"

GRG-W03

John Elliott, Data Protection Specialist

GDPR requires organizations to implement "appropriate technical and organizational measures" to protect personal data. This session will help you to determine what's appropriate for your organization.

Hackers & Threats	50 MIN	FC
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How Vault 7 Leaks Helped Develop My Own Cyber Espionage Weapon HT-W03

Wayne Ronaldson, Red Team Lead, Loop Secure

The presenter sought to develop an attack capability based on information available via the Vault 7 leaks to see whether an individual could glean enough information to build their own cyberespionage tool.

Hackers & Threats Advanced	50 MIN	FC
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Guardians of the Port: Infinity War HTA-W03 ⚙️

Zheng Min, Security Expert, Alibaba

This talk will demonstrate that most of Apple system defenses can be bypassed through (Mach) port object-oriented programming (POP) and propose XNU Kernel Object Protector to protect defenseless kernel objects.

Human Element	50 MIN	FC
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Democratizing Security: A Story of Security Decentralization HUM-W03

Harshil Parikh, Director of Security, Medallia, Inc.

A call for democratizing security, this talk will discuss initiatives to decentralize security. Results: better vulnerability remediation and culture of security ownership across the company.

Identity	50 MIN	FC
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Important Things You Need to Know about Storing Your Identity IDY-W03 ⚙️

Paula Januszkiewicz, CEO, CQURE

You will learn how the password attacks are performed, the typical paths where credentials can be leaked and how to prevent these by implementing various solutions.

Law	50 MIN	FC
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The EU's General Data Protection Regulation: One Year Later LAW-W03

MODERATOR: **Paul Rosenzweig**, Senior Fellow, R Street Institute

PANELISTS: **Francoise Gilbert**, Shareholder, GreenburgTraurig; **Harvey Jang**, Global Data Protection and Privacy Counsel, Cisco Systems Inc.; **Ariel Silverstone**, External Data Protection Officer, Data Protectors; **Mark Weatherford**, Global Information Security Strategist, Booking Holding

The EU's GDPR is a legal disruption. It challenges existing trans-Atlantic data sharing and may give rise to copycat legislation in Asia, the US, and the States. Come hear how the first year has gone.

WEDNESDAY



9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Learning Labs	2 HRS	FC

Holistically Mitigating Human Vulnerabilities and Attacks LAB1-W03

Tracy Celaya, Consultant, Systems Evolution, Inc.; Alexandra Panaretos, National Practice Lead for Security Awareness and Training, EY; Ira Winkler, President, Secure Mentem

In this lab, attendees will work through common attacks targeting people, and identify an appropriate holistic combination of technology, process, and awareness to mitigate human vulnerabilities.

Learning Labs	2 HRS	FC
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Defending Digital Democracy: How Security Professionals Can Help LAB2-W03

Mari Dugas, Project Coordinator, Cyber Security Project and D3P; Jordan D'Amato, Executive Director, Defending Digital Democracy Project (D3P), Belfer Center, Harvard

Digital threats to democracy are multiplying. Take a crash course on how officials are securing elections by joining a simulation of 2020 under attack. Work together to defeat cyber- and info ops.

Learning Labs	2 HRS	FC
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Verizon Incident Preparedness Report—Taming the Data Beast LAB4-W03

Eric Gentry, Managing Principal, Rapid Response Retainer, Verizon; John Grim, Senior Manager | Investigative Response, Verizon; Chris Novak, Director | Investigative Response, Verizon; Ashish Thapar, Managing Principal, APJ, Verizon Threat Research Advisory Center (VTRAC)

The "Verizon Incident Preparedness Report—Taming the Data Beast" tackles data breach preparation for that inevitable spar with the daemon of death in the age of digital heroes.

Machine Learning & Artificial Intelligence	50 MIN	FC
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Attacking Machine Learning: On the Security and Privacy of Neural Networks MLAI-W03

Nicholas Carlini, Research Scientist, Google

This talk will examine security and privacy problems with neural networks. Included will be how to attack classifiers make them misclassify inputs, and extract sensitive training data out of a pretrained network.

Mobile & IoT Security	50 MIN	FC
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Attack Vectors in Orbit: The Need for IoT and Satellite Security MBS-W03

Bill Malik, VP Infrastructure Strategies, Trend Micro

Hear attack scenarios posed by satellites and other devices with primitive security connected to the growing IoT ecosystem. Will blockchain, AI or ML be the key to lowering the risk of attack?

Peer2Peer	50 MIN	FC
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What Tools and Techniques Work in Malware Analysis? P2P1-W03

Lenny Zeltser, Instructor, SANS Institute; VP of Products, Minerva Labs

How to analyze malware discovered as part of incident response or breach investigations? Learn what the role of automated tools and manual techniques for deriving threat intelligence in such efforts.

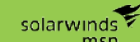
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WEDNESDAY SESSION DETAILS

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer	50 MIN	FC

To Pay or Not to Pay: A Ransom Discussion P2P2-W03

Lee Parrish, Vice President, Chief Information Security Officer, Blucora

Assemble with your peers to discuss the pros and cons of paying a ransom to recover your data. Do we do it on a case-by-case basis or never pay? What are the ramifications of not paying?

Peer2Peer	50 MIN	FC
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Reorganize DevSecOps or Continue to Fail at Agile P2P3-W03

Marina Kernes, Director of PMO for Data, Platform and Security, Entertainment Partners

Inspection at the end forces a choice between an unmitigated risk or a late delivery. Engaging DevSecOps resources from the start ensures that expert feedback is incorporated without causing delays.

Policy & Government	50 MIN	FC
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Engaging Internationally in Support of Cybersecurity for Critical Functions PNG-W03

MODERATOR: *Catherine Lotrionte, Brent Scowcroft Scholar, Atlantic Council*
PANELISTS: *Jeanette Manfra, Assistant Secretary, Office of Cybersecurity and Communications (CS&C), Department of Homeland Security; Ciaran Martin, CEO of the National Cyber Security Centre, UK Government; Cheri McGuire, CISO, Standard Chartered Bank; Leo Simonovich, VP and Global Head, Industrial Cyber & Digital Security, Siemens Energy*

This panel will examine how governments and the private sector can manage global cyber-risks in national critical functions through robust international cooperation.

Privacy	50 MIN	FC
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Connected Cars: A Security and Privacy by Design Study 10 Years in the Making PRV-W03

Ed Adams, CEO, Security Innovation, Inc.; Larry Ponemon, Founder, The Ponemon Institute

Connected cars—what could go wrong? Learn about the safety, security and privacy trade-offs, and the Privacy by Design system used for “Talking Cars,” a program to save 10,000 lives per year.

Protecting Data & the Supply Chain Ecosystem	50 MIN	FC
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Multiparty Vulnerability Disclosure: From Here to Where? PDAC-W03

MODERATOR: *John Banghart, Senior Director, Venable*
PANELISTS: *Kent Landfield, Chief Standards and Technology Policy Strategist, McAfee; Art Manion, Vulnerability Analysis Technical Manager, CERT Coordination Center; Audrey Plonk, Director, Global Security Policy, Intel Corporation*

Multiparty vulnerability disclosure: What works, what doesn't, and where do we go from here? Hear the views of experts from different perspectives.

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	50 MIN	FC

Access Control for Multi-Vendor Big Data and BI Environments STR-W03

Anmol Singh, Lead Analyst, KuppingerCole

Do you have control about who can see which data returned from your BI tools? While there is not the perfect out-of-the-box solutions, there are some ways to tackle this challenge.

Sponsor Special Topics	50 MIN	ALL
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Honeypot Predators: Hunter vs. Prey SPO1-W03

Aamir Lakhani, Senior Researcher, Fortinet, Inc.

This talk will examine how threat hunting organizations can setup honeypots to gather threat intelligence, harvest new malware, and gain an insight inside the world scams, hacks, and cybercrime.

Sponsor Special Topics	50 MIN	ALL
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What Happens to Your Threat Model When Hardware Isn't Really Hardware? SPO2-W03

Window Snyder, Chief Software Security Officer, Intel Corporation

Join Intel's Chief Software Security Officer, Window Snyder, for a discussion about hardware and software update cycles and the importance of rethinking the way we think about hardware security.

Sponsor Special Topics	50 MIN	ALL
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How to Evolve Threat Hunting by Using the MITRE ATT&CK Framework SPO3-W03

Jared Myers, Sr. Threat Researcher, Carbon Black

The ATT&CK matrix is a vital tool for evaluating your threat hunting capabilities. From a tool-agnostic view, learn how to leverage this approach to improve the efficiency of your threat hunting.

Technology Infrastructure & Operations	50 MIN	FC
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Building High Performance and Innovative Security Programs that Embrace Cyber/Physical Convergence TECH-W03

Eman Al Awadhi, Director of Cyber Security & Resilience, Expo 2020 Dubai; Eddie Schwartz, Chief Information Security Officer, Block.One

This session will offer practitioner perspectives on third-party risk considerations, testing approaches and agile practices implemented to deal with the increasing cyber/physical threats and vulnerabilities.

9:30 AM

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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Automate Software Vulnerability Management with an AppSec System of Record BC-W2ESE

Anita D'Amico, CEO, Code Dx, Inc.

Code Dx automates the configuration of AppSec tests, correlation and prioritization of results, and tracking of remediation from a centralized platform that fits right into a DevSecOps environment.

WEDNESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

9:30 AM, CONTINUED

TRACK

SESSION LENGTH BADGE ACCESS

RSAC Sandbox

60 MIN ALL

Hunting and Tracking Rogue Radio Frequency Devices SBX3-W1

Eric Escobar, Principal Security Consultant, SecureWorks

This talk will explore the dangers of rogue radio frequencies and highlight tactics, techniques and tools which can be used to identify and locate potential threats.

10:00 AM

RSAC Early Stage Expo Briefing Center

20 MIN ALL

Where Are We Now? Tracking Market Trends in the Security Space BC-W3ESE

Shamus Noonan, Account Director, Crunchbase

This session will chart the trajectory of the security market over the last 5 years, and identify geographic and funding trends to address where we might be headed in the future.

10:30 AM

TRACK / TOPIC

SESSION LENGTH BADGE ACCESS

Expo Briefing Center North

30 min ALL

Building Effective Cyber-Defense Strategies against Privileged Attacks BC-W1N

Tal Guest, Director of Product Management, BeyondTrust

This session will discuss available cloud-based security options and the advantages of next-gen containerized cloud gateway architecture for achieving scalable, hardware-free compliance and security.

RSAC Early Stage Expo Briefing Center

20 MIN ALL

Compromised Credentials: Tackling a Perpetual Weak Link BC-W4ESE

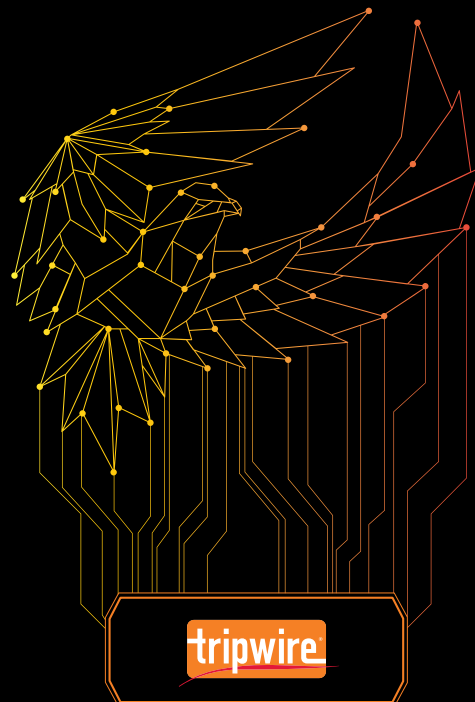
Joshua Horwitz, COO, PasswordPing; Michael Greene, CEO, PasswordPing

Billions of credentials are circulating online and since most users reuse passwords across sites, hackers can gain unauthorized access to accounts. This session will highlight simple prevention tips.

WEDNESDAY

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WEDNESDAY SESSION DETAILS

10:40 AM

TRACK / TOPIC

SESSION LENGTH BADGE ACCESS

Cybersecurity Future Proof: 2025

1.5 HRS

FC

How to Eliminate a Major Vulnerability in the Cybersecurity Workforce CSFP-W05

Laura Bate, Policy Analyst, New America; *Danielle Santos*, Program Manager, NIST

This session will move beyond talking about getting more women into cybersecurity and focus on action. We road test cutting-edge strategies to solve the problem and learn to use them across industries.

Expo Briefing Center South

20 min

ALL

The Art of Remediation BC-W15

Austin Murphy, Vice President, Managed Services, CrowdStrike

Join CrowdStrike to explore strategies for performing effective remote remediation of compromised systems, instead of disrupting business operations by taking systems offline and reimaging them.

Law

50 MIN

FC

What You Need to Know about the Cybersecurity Landscape and Cyber-Cases LAW-W05

MODERATOR: *Julia Bowen*, Senior VP/General Counsel, The MITRE Corp.
PANELISTS: *Richard Aldrich*, Cyber Security Policy and Compliance Analyst, Booz, Allen, Hamilton/DOD OSD; *Adriana Sanford*, International TV Commentator / Professor – Cyber Security Law, Pepperdine University

Interactive presentation on the most significant recent cases in cyber-law, and consequences for noncompliance. Companies also struggle to adhere to multiple regulators and conflicting foreign laws.

Peer2Peer 

50 MIN

FC

Vetting Vendor Artificial Intelligence Claims: Separating Fact from Fiction P2P1-W05

John Dickson, Principal, Denim Group, Ltd.

Learn how peers are vetting vendor claims involving AI embedded in security products and putting AI and machine learning to work as part of a broader security strategy.

Peer2Peer 

50 MIN

FC

Threat Hunting: Best Practices, Current Challenges and Lessons Learned P2P2-W05

Roger O'Farrell, Information Security Team Lead, Federal Reserve Bank

This discussion will look to bring forward what other professionals are doing in the threat-hunting space. Best practices, lessons learned and challenges will be discussed.

Peer2Peer 

50 MIN

FC

Overcoming the PaaS Dilemma: What You Do Not See? P2P3-W05

Wayne Anderson, Enterprise Security Architect, McAfee

Platform as a Service introduces new architectural patterns to manage data and application access. Share implementation experience, and explore protective patterns for your next PaaS application.

10:50 AM

TRACK / TOPIC

SESSION LENGTH BADGE ACCESS

RSAC Sandbox

2 HRS

ALL

SANS Core NetWars Experience SBX2-W2

Chris Elgee, Builder & Breaker, Counter Hack Challenges

SANS NetWars Experience develops and tests your information security skills in a safe, interactive environment, while having a little fun with your fellow IT security professionals.

RSAC Sandbox

30 MIN

ALL

SCADA Attack Detection 101 SBX4-W1

Oleg Kolesnikov, Vice President of Threat Research / Cybersecurity, SECURONIX; *Harshvardhan Parashar*, Security Researcher, SECURONIX

In this talk, you will learn about the fundamentals of ICS/SCADA attack detection. You will see a demo and learn about some practical detection techniques, including ML-based anomaly detection.

11:00 AM

RSAC Early Stage Expo Briefing Center

20 MIN

ALL

World's First Endpoint-Based Real-Time Phishing Prevention Using Computer Vision BC-W5ESE

Arun K. Buduri, Co-Founder & President, PIXM, INC.

Why do phishing attacks continue to rise? How are today's solutions blindsided in detecting them? Come and learn why real-time phishing detection on the endpoint will change the game in anti-phishing.

11:10 AM

Expo Briefing Center South

20 min

ALL

There's No Intelligence in AI without Security Data Management BC-W2S

Scott Mongeau, Cybersecurity Data Scientist, SAS Institute, Inc.

A defined security data management plan can reduce data headaches and increase the time for analysis and investigations. Join this session for practical data management best practices you can apply.

11:20 AM

RSAC Sandbox

30 MIN

ALL

Debunking the Hacker Hype: The Reality of Widespread Blackouts SBX4-W2

Selena Larson, Intelligence Analyst, Dragos, Inc.

Attendees will leave with a better understanding of electric grid cyberattacks, the adversaries targeting critical infrastructure, and what is really required for disruptive attacks.

WEDNESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

11:30 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Early Stage Expo Briefing Center	20 MIN	ALL

Malicious Bot Attacks—Why They're Increasing, and How to Stop Them BC-W6ESE

Shreyans Mehta, CTO, Co-Founder, Cequence Security

Discover how malicious bots are targeting your organization, why traditional security tools can't detect and stop them, and how Cequence Security can with its innovative application security platform.

11:40 AM

Expo Briefing Center South	20 min	ALL
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Security for a Zero-Trust World BC-W3S

Jay Bhansali, Product Marketing Engineer (Director), MobileIron

Enterprise security models fail as perimeters dissolve and data travels across devices apps, and networks. MobileIron will outline an architecture that brings true trust to a zero-trust world.

12:00 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Continuous Endpoint Monitoring at Scale for the Global Enterprise BC-W3N

Anthony Di Bello, VP, Strategic Development, OpenText

Common approaches to continuous monitoring do not scale and may introduce risk of privacy violations. This talk will present a realistic approach to continuous endpoint monitoring to address these challenges.

Law	50 MIN	FC
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Cybersecurity: Federalism as Defense-in-Depth LAW-W08

MODERATOR: Gregory von Lehmen, Special Assistant to the President, Cybersecurity, University of Maryland University College

PANELISTS: Frank Grimmelmann, President & CEO/Intelligence Liaison Office, Arizona Cyber Threat Response Alliance (ACTRA); Chetrice Mosley, Cybersecurity Program Director, Indiana Department of Homeland Security Office of Technology; Brian Ray, Professor of Law and Co-director, Center for Cybersecurity and Privacy Protection, Cleveland Marshall School of Law, Cleveland State University

This panel will underscore the importance of state-level initiatives as a complement to federal efforts across a wide range of cybersecurity issues.

WEDNESDAY



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WEDNESDAY SESSION DETAILS

12:00 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

Defining Your Organization's Compliance and Certification Strategy P2P1-W08

David Graves, Security Architect, Hewlett Packard Enterprise

Compliance with security standards and legislation is challenging. Join a discussion on how to drive compliance and certification by mapping overlapping security controls to define a custom strategy.

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

Strength in Community: Sharing Experiences with the Cybersecurity Framework P2P2-W08

Thomas Conkle, Cybersecurity Engineer, G2, Inc.

Come discuss how your organization and others have developed risk-informed cybersecurity strategies for mitigating and addressing threats and vulnerabilities in their organization.

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

The Kubes: Practical Container Orchestration Security P2P3-W08

Diana Kelley, Cybersecurity Field CTO, Microsoft

Come share and learn methods for securing Kubernetes and orchestration: how to track, technical strategies, and processes to ensure orchestration stays robust over time.

12:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Hybrid Security for Your Hybrid Enterprise BC-W45

Todd Peterson, IAM Evangelist, One Identity

We will discuss ways to ensure that as you secure your cloud you don't leave legacy environments unprotected. We'll talk about access and identity lifecycle management for today's hybrid enterprise.

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	20 min	ALL

Engaging the Media 101 SBX5-W1

Rob Sloan, WSJ Pro Cybersecurity, Research Director, Wall Street Journal Pro

This session will explore how startups can engage with the media. Rob Sloan will give tips on presenting story ideas, share insight on how newsrooms work and talk about how to become an expert source.

12:30 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Early Stage Expo Briefing Center	20 MIN	ALL

SDP vs. VPN: Five Reasons to Make the Switch BC-W7ESE

Micha Rave, VP of Product, Meta Networks

Learn why enterprises are switching from VPN to Software-Defined Perimeter (SDP): Zero-Trust Security. Simpler Management. Seamless User Experience, Cloud Scale.

12:40 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Creating a Modern AppSec Toolchain to Quantify Service Risks BC-W4N

Tim Mackey, Senior Technology Evangelist, Synopsys

When regulations collide with the security threat landscape, continuous monitoring for risk changes is required. This session will cover how AppSec toolchains increase security awareness.

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Simplicity: Access Management and the Future of Dynamic Authorization BC-W5S

Eve Maler, VP of Innovation and Emerging Technology, ForgeRock

Scale authorization to new needs for distributed data, central policy, relationships beyond roles and consumer privacy! The session will demo User-Managed Access (UMA) and Identity Relationship Management (IRM).

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	30 MIN	ALL

Yet Another IoT Hack SBX1-W3

Joshua Meyer, Associate Security Analyst, Independent Security Evaluators

A presentation on how to find vulnerabilities in embedded devices, including a demo of exploits discovered through new research and how analysts can find similar vulnerabilities in other devices.

1:00 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Early Stage Expo Briefing Center	20 MIN	ALL

A New Assurance Paradigm BC-W8ESE

Mark Strutner, Senior Cybersecurity Expert, ToucanX

ToucanX introduces an architecture that, by design, segregates assets that are considered sensitive and/or classified and makes them virtually inaccessible to a malicious actor, regardless of the level of penetration or type of attack.

1:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

Secure Your Digital Crown Jewels with Micro-Segmentation BC-W6S

Faraz Aladin, Head of Technical Product Marketing, Illumio

Illumio's Adaptive Security Platform® protects mission-critical crown jewels with micro-segmentation—preventing unauthorized lateral traffic in data centers and clouds in the event of a breach.

1:10 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	30 MIN	ALL

The Emerging Grey App Threat: Mobile Kids Apps Are Gateway to Parents SBX1-W4

Frances Dewing, CEO, Rubica

Mobile gaming applications aimed specifically at children are creating a back-door way to gain access to a variety of devices.

1:20 PM

Expo Briefing Center North	30 min	ALL
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One Person Can Change the World: The Story behind GDPR BC-W5N

Helge Husemann, Global Technical Evangelist, Malwarebytes

Learn more about Maximilian Schrems, an activist who became known for campaigns against Facebook for privacy violation and who brought GDPR to life. Learn how one person helped change the world.

1:30 PM

Analytics, Intelligence & Response	50 MIN	FC
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Coordinated Vulnerability Disclosure: Debate from the Trenches AIR-W10

MODERATOR:  *Paul Kocher, Founder & Researcher, Cryptography Research Inc.*
PANELISTS: *Alex Gantman, VP Product Security, Qualcomm; Art Manion, Vulnerability Analysis Technical Manager, CERT Coordination Center; Alex Rice, Co-Founder and CTO, HackerOne*

Modern complexity increases the likelihood of intrusion and malfunction due to flaws in the software. The panel of practitioners will debate the issues as they recreate the good and the bad from 2018.

Application Security & DevSecOps	50 MIN	FC
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Practical Approaches to Cloud Native Security ASD-W10

Karthik Gaekwad, Principal Engineer, Oracle Cloud

K8s is the go-to platform for large organizations moving their applications to cloud native infrastructure. The presenter will discuss the basics of building secure clusters and open source tooling that helps.

Blockchain & Applied Crypto	50 MIN	FC
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Hacked by Crypto BAC-W10

Bret Jordan, Director, Office of the CTO, Symantec; Brian Witten, VP & Chief Product Security Officer (CPSO), Symantec

This talk will cover new security standards including TLS 1.3, Encrypted SNI, DNS SEC and DNS over HTTPS, including both advantages and surprising, counterintuitive new risks.

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WEDNESDAY SESSION DETAILS

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
C-Suite View ^{2x}	50 MIN	FC

How to Make Sense of Cybersecurity Frameworks CXO-T08R

Frank Kim, Senior Instructor, SANS Institute

Learn how to make sense of the veritable alphabet soup of cybersecurity frameworks to simplify the complex world of security and structure your program to meet both business and technology goals.

C-Suite View	50 MIN	FC
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Defining a Cyber-Risk Appetite That Works CXO-W10

Jack Jones, Chairman, FAIR Institute

A clearly defined risk appetite can be transformative to a cyber-risk management program. In this session you'll learn how to define an unambiguous risk appetite that drives better decision-making.

Cloud Security & Virtualization	50 MIN	FC
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Treating Cloud-Specific Threats with Automatic Remediation CSV-W10

Jay Ball, Head of Application Security, Zocdoc; **Josh Barons**, Head of Information Security, Zocdoc

Identifying and managing new cloud threats in a fast-paced technology- and development-focused healthcare company.

Cryptography	50 MIN	FC
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Cryptographers' Panel CRYP-W10

MODERATOR:  **Bart Preneel**, Full Professor, KU Leuven
PANELISTS: **Dan Boneh**, Professor, Stanford University; **Mariana Raykova**, Research Scientist, Google; **Adi Shamir**, Borman Professor of Computer Science, The Weizmann Institute, Israel; **Reza Shokri**, Computer Science Assistant Professor, National University of Singapore

A lively debate is guaranteed in the regular Cryptography Track panel session.

Cybersecurity Future Proof: 2025	50 MIN	FC
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Cybersecurity Futures 2025 CSFP-W10

Dawn Thomas, Associate Director, CNA's Institute for Public Research; **Steve Weber**, Professor, University of California Berkeley

This session will explore, via four alternate scenarios, the future of cybersecurity (2025) and the new problem sets that cybersecurity professionals will encounter in a changing strategic environment.

Governance, Risk & Compliance	50 MIN	FC
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Barney Fife Metrics: The Bullet That We Have but Don't Use, and Why GRC-W10

Jon Boyens, Manager, Security Engineering & Risk Management Group, National Institute of Standards and Technology; **Celia Paulsen**, Cybersecurity Researcher, National Institute of Standards and Technology

New research from NIST explores what differentiates successful information security metrics programs, why the field is stagnating and what is needed to move forward.

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats	50 MIN	FC

Digital Surveillance and Cyberespionage at Scale HT-W10

Steven Adair, President, Volexity

Learn how OceanLotus, one of the most advanced and pervasive threat groups that is active today, manages its tracking, exploitation, and command and control operations around the world.

Hackers & Threats Advanced	50 MIN	FC
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Hopping into Enterprise Networks from Thin Air with BLEEDINGBIT HTA-W10

Nadir Izrael, CTO and Co-Founder, Armis; **Ben Seri**, VP of Research, Armis

Join Armis researchers for a live demo of a wireless access point takeover using the BLEEDINGBIT vulnerabilities found in BLE chips which are used in the majority of wireless APs sold to enterprises.

Human Element	50 MIN	FC
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Your Ideal Victim Is My Hero HUM-W10

 **Shannon Lietz**, Director, Intuit; **Myoki Spencer**, Manager, Security Automation, Intuit

Knowing an adversary's ideal victim can change the game. Adversaries have ideal victims that help increase their ROI on the attacks they create. Deception and honeypots can prevent an attack.

Identity	50 MIN	FC
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No More Firewalls! How Zero-Trust Networks Are Reshaping Cybersecurity IDY-W10

Matt Soseman, Security Architect, Microsoft

Through live demos, understand how identities and devices are changing your approach to providing access to corporate resources, in cloud and on-premises—no PowerPoint allowed!

Law	50 MIN	FC
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Ransom: A Real-World Case Study in Data Theft, Forensics and the Law LAW-W10

Randy Sabett, Special Council, Cooley; **Jason Straight**, Chief Privacy Officer / SVP Cyber Risk Solutions, UnitedLex Corporation

Noted security/privacy pro Jason Straight will illuminate one of the most intriguing cases in his 15-year career involving data theft, ransom, digital forensics, hacker negotiations and more.

Learning Labs 	3 HRS	FC
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How to Design and Operate a DDOS Testing Program LAB3-W10

Murray Goldschmidt, Chief Operating Officer, Sense of Security Pty Ltd.; **Sharjil Khan**, Principal Consultant, Redwolf Security Inc; **James Mal**, Director, Sales Global, Redwolf Security Inc

Learn to design, implement and operate a DDoS testing program to simulate attacks, measure response and determine if practices are working. Build resilience with no- or low-cost measures for on-prem and cloud.

WEDNESDAY SESSION DETAILS

BADGE ACCESS: FC = Open to Full Conference Registrants only • ALL = Open to all attendees

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Machine Learning & Artificial Intelligence	50 MIN	FC

Machine Learning Toolbox for Cybersecurity Risk Management MLAI-W10

Bugra Karabey, Senior Risk Manager, Microsoft

Machine learning models/techniques (LSTM RNN deep neural nets, word embeddings, topic modelling), and use case scenarios utilized within the semi-annual Information Security Risk Reviews at Microsoft.

Mobile & IoT Security	50 MIN	FC
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Anatomy of an Enterprise Mobile Security Incident MBS-W10

Aaron Turner, CEO, Hotshot Technologies

Based on a real-world situation, learn how mobile vulnerabilities have been used by attackers to gain access to sensitive enterprise information and credentials, including defeating soft tokens.

Peer2Peer Δ	50 MIN	FC
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Speed Dating for Security: 200 Creative Engagement Ideas in 50 Minutes P2P1-W10

Bianca Wirth, Manager – Corporate Security Education & Awareness, Insurance Australia Group

Have you ever wished for 29 more brains you can use to generate new ideas on how to change user security behavior? Join this speed ideation session to create 200 security awareness ideas in 50 minutes!

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer Δ	50 MIN	FC

Leveraging Tactical Threat Intelligence for Strategic Decision-Making P2P2-W10

Xena Olsen, Cyber Threat Intel Analyst, Fortune 500 Financial Services

Enterprises underutilize threat intelligence data. The session will discuss how companies can use threat intelligence data beyond network defense to aid strategic decision-making.

Peer2Peer Δ	50 MIN	FC
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Quantum Computing and Preparing Cyber-Systems for the Post-Quantum Era P2P3-W10

Michele Mosca, Professor, University of Waterloo

Has meaningful progress been made in quantum computation? More stakeholders are starting to prepare for the transition to post-quantum algorithms. What is being done already and what else is needed?

WEDNESDAY



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WEDNESDAY SESSION DETAILS

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Privacy	50 MIN	FC

The NIST Privacy Framework: What It Is And What It Means for You PRV-W10

Naomi Lefkowitz, Senior Privacy Policy Advisor, National Institute of Standards and Technology; **Kevin Stine**, Chief, Applied Cybersecurity Division, NIST

The National Institute of Standards and Technology is developing a voluntary Privacy Framework for enterprise risk management. Learn what to expect and how you can contribute!

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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Cloud Workload Security Platform with Real-Time, Zero-Day Attack Prevention BC-W9ESE

Jayant Shukla, CTO & Co-Founder, K2 Cyber Security, Inc.

K2 protects cloud workloads and applications against zero-day attacks with no false positives and offers a new approach for enforcing microsegmentation based on cryptographic identity for workloads.

Security Strategy & Architecture	50 MIN	FC
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Deep Modernization of a Corporate IT Infrastructure STR-W10

John Tolbert, Managing Director, KuppingerCole

Lessons learned on the long road towards a zero-trust cloud-native digital enterprise IT architecture for a highly regulated European company.

Sponsor Special Topics	50 MIN	ALL
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Ransomware Attack Protection and Recovery: Lessons from the Front Lines SPO1-W10

MODERATOR: Peter Beardmore, Dir. of Marketing for Digital Risk Management Solutions, RSA

PANELISTS: Bob Bender, Chief Technology Officer, Founders Federal Credit Union; **Amy Blackshaw**, Director, RSA; **Stafan Voss**, Senior Director, Product Management, Dell Technologies

This session will feature modern requirements to detect and respond to advanced cyberattacks such as ransomware and feature firsthand experiences from a security executive who's been targeted by attacks.

Sponsor Special Topics	50 MIN	ALL
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Simplicity from Complexity: Cybersecurity Insights that Matter Most SPO2-W10

Leah MacMillan, Sr. Vice President, Global Marketing, Trend Micro

We are short 2.9 million security professionals, making the ability to correlate threats and gain insights essential. Learn about the value of data complexity on the journey to threat response simplicity.

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 MIN	ALL

Innovative Answers to the IoT Security Challenges SPO3-W10

MODERATOR: Norbert Pohlmann, Professor / Director, Institute for Internet Security

PANELISTS: Heinfried Cznotka, Director Business Development, achelos GmbH; **Kim Nguyen**, Fellow, Bundesdruckerei GmbH; **Jean-Paul Verheylewegen**, Global Sales Manager, MB connect line GmbH

Panel discussion about innovative ways for identity management, securely enabling connectivity of IoT devices and security for legacy systems while keeping the usability at a high level.

Technology Infrastructure & Operations	50 MIN	FC
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Lost Boys: How Linux and Mac Intersect in a Windows-Centric Security World TECH-W10

Alexander Benoit, Lead Security Analyst, sepago GmbH; **Josh Harriman**, VP of Cyber Security Intelligence, Ziften

Windows has such a large business market share, it can render Linux and Mac the Lost Boys of security. Neglecting Linux and Mac in your environment can affect your overall security posture.

1:40 PM

Expo Briefing Center South	20 min	ALL
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Applied Prediction: Using Forecasts to Get Proactive about Security BC-W7S

Ed Bellis, Chief Technology Officer, Kenna Security

We can predict the weather but still don't have foresight into attacks heading our way. This talk will discuss new predictive models and how to incorporate them into security workflows.

RSAC Sandbox	2 HRS	ALL
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SANS Core NetWars Experience SBX2-W3

Chris Elgee, Builder & Breaker, Counter Hack Challenges

SANS NetWars Experience develops and tests your information security skills in a safe, interactive environment, while having a little fun with your fellow IT security professionals.

1:50 PM

RSAC Sandbox	1 HR	ALL
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First Steps in RF: Lessons Learned SBX3-W2

Dave Weinstein, Software Engineering Manager, Google

It can be daunting for senior staff to enter a new problem domain. This talk will be a discussion of lessons learned in starting from the basics in RF, and how to apply that more broadly.

WEDNESDAY SESSION DETAILS

BADGE ACCESS: FC = Open to Full Conference Registrants only • ALL = Open to all attendees

2:00 PM

TRACK / TOPIC

SESSION LENGTH BADGE ACCESS

Expo Briefing Center North

30 min ALL

A New Paradigm for Security BC-W6N

Jason Garbis, VP, Products, Cyxtera

This session will dissect the concept of software-defined perimeter and explore how this architecture enables a creatively disruptive approach to security, while avoiding any actual IT disruption.

Learning Labs △

2 HRS FC

Creating/Building a Phishing Training Program LAB1-W11

Cheryl Conley, Cyber Governance Risk & Compliance Senior Staff, Lockheed Martin; Tonia Dudley, Security Solutions Advisor, Cofense

Learn how to establish a cutting-edge phishing simulation program, including management and stakeholder buy in, simulating attacks, training tactics, handling repeat clickers, key metrics and privacy.

Learning Labs △

2 HRS FC

Breaking Out of the Security Metrics Matrix: Steps in the Right Direction LAB2-W11

Tim Crothers, Vice President of Security, Target; James Stanger, Chief Technology Evangelist, CompTIA

Learn from authorities in the field about how to create and customize meaningful metrics that allow you to reduce exposure time and manage risk.

2:00 PM, CONTINUED

TRACK

SESSION LENGTH BADGE ACCESS

Learning Labs △

2 HRS FC

Evasion Tactics in Malware from the Inside Out LAB4-W11

Erez Breiman, CTO, Minerva Labs; Omri Segev Moyal, Co-Founder & VP of Research, Minerva Labs; Lenny Zeltser, Instructor, SANS Institute; VP of Products, Minerva Labs

Malware authors use clever tactics to evade detection. Learn how evasion works and how you can start analyzing malware using a debugger in this hands-on session. Come with a lab VM, per instructions.

2:10 PM

Expo Briefing Center South

20 min ALL

Seven Hells! We Need One Language to Communicate about IT Assets BC-W8S

Alejandro Lavie, Director, Strategy, Flexera

It's not High Valyrian or Dothraki, but companies struggle with vast inventory definitions and classifications of IT assets which inhibit their ability to make decisions and secure their environment.

WEDNESDAY

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WEDNESDAY SESSION DETAILS

2:40 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 min	ALL

Got Breached? Determining the Extent of Your Intrusion

BC-W7N

Tim Bandos, Vice President, Cybersecurity, Digital Guardian

To determine the true extent of a breach, the newest forensic techniques will be demonstrated in a walk-through of a real Fortune 100 company scenario.

Expo Briefing Center South	20 min	ALL
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Unhackable: Why Businesses Are Turning to Hardware-Enforced Cybersecurity

BC-W9S

Dennis Lanahan, Director of Sales, Owl Cyber Defense

This session will explain what a data diode is, how it works, the benefits of hardware-enforced tools and the basics of how they can be used to help secure networks, devices and data.

2:50 PM

Analytics Intelligence & Response	50 MIN	FC
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Prosilience: Moving beyond Operational Resilience

AIR-W12

Summer Fowler, Chief Security Officer, Argo AI; Roberta Stempfley, Director, CMU – SEI – CERT

Moving beyond resilience to prosilience: how to apply leading-edge technical concepts to anticipate and adapt your organization's capabilities before a disruptive event occurs.

Application Security & DevSecOps	50 MIN	FC
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How I Learned Docker Security the Hard Way (So You Don't Have To)

ASD-W12

Paul Asadoorian, Founder & CEO, Security Weekly

Security professionals today struggle securing container environments. You will learn the different container security models and detailed incident response examples from an actual attack.

Blockchain & Applied Crypto	50 MIN	FC
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Breaking the Blockchain: Real-World Use Cases, Opportunities and Challenges

BAC-W12

Michael Mylrea, Senior Advisor | Cyber Security | Blockchain Lead (PI) | Pacific Northwest National Laboratory

The presentation will share lessons learned from developing and implementing one of the first and largest blockchain cybersecurity R&D projects in partnership with US industry and government.

C-Suite View	50 MIN	FC
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Cybersecurity Head On: How Successful Organizations Win

CXO-W12

Michelle Beistle, Counsel and Chief Compliance Officer, Privacy and Ethics, Unisys; Mat Newfield, CISO, Unisys

Explore how legal counsel and cybersecurity teams must come together and become bilingual in order to meet today's complex challenges and build more effective cybersecurity programs in the process.

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization	50 MIN	FC

Red Team View: Gaps in the Serverless Application Attack Surface

CSV-W12

Michael Cotton, SVP Research & Development, Digital Defense, Inc.

This talk will discuss new and previously unknown methods of targeting an application's serverless component services and leveraging them to gain privileged access.

Cloud Security & Virtualization	50 MIN	FC
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Protecting the Cloud with the Power of Cloud

CSV-W02R

Jay Kelath, Head of Product Security, Dow Jones & Company; Pranavkumar Patel, Senior Security Engineer, Dow Jones

This talk will walk you through Dow Jones Hammer, a self-healing cloud security tool designed to protect hundreds of AWS accounts against misconfiguration with auto-remediation.

Cryptography	50 MIN	FC
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Post-Quantum Cryptography

CRYP-W12

Saba Eskandarian, Stanford University; Mélissa Rossi, Thales & ENS Paris

Design and analysis of post-quantum cryptographic algorithms will be discussed.

TOPIC 1: Post-Quantum EPID Signatures from Symmetric Primitives
Authors: Dan Boneh, Saba Eskandarian, Ben Fisch

TOPIC 2: Assessment of the Key-Reuse Resilience of NewHope
Authors: Aurélie Bauer, Henri Gilbert, Guénaél Renault, Mélissa Rossi

Cybersecurity Future Proof: 2025	50 MIN	FC
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You've Predicted the Future, Now What? Pulling the Right Security Levers

CSFP-W12

John Pescatore, Director, SANS Institute

This session will detail a methodology for developing realistic action plans and achievable milestones to minimize business impact by evolving and enhancing limited people, processes and technology resources.

Governance, Risk & Compliance	50 MIN	FC
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Virtual Pen Testing Using Risk Models

GRC-W12

Joel Amick, Director, Cyber Analytics and Data Science, TIAA; Jack Freund, Director, Cyber Risk, TIAA

Attendees will be shown how to leverage risk assessment data to identify likely paths of system compromise using attacker, control and loss simulations to help prioritize remediation efforts.

Hackers & Threats	50 MIN	FC
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An Overview of AI and Machine Learning Attacks and Vulnerabilities 2019

HT-W12

Abraham Kang, Senior Director Software, Samsung

Attend this talk if you want a better understanding of security issues faced by developers creating solutions on top of AI and machine learning.

WEDNESDAY SESSION DETAILS

BADGE ACCESS: FC = Open to Full Conference Registrants only • ALL = Open to all attendees

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats Advanced	50 MIN	FC

Function Fuzzer HTA-W12

Jason Raber, Principle Engineer, Malwarebytes

A technique for finding software vulnerabilities. A key feature is the ability to hook internal functions of a binary (without source code) to fuzz parameters.

TRACK	SESSION LENGTH	BADGE ACCESS
Human Element	50 MIN	FC

Beyond Hybrid War: How China Utilizes Social Media to Influence the West HUM-W12

Priscilla Moriuchi, Director of Strategic Threat Development, Recorded Future

This session will cover China's domestic and foreign use of digital information operations, and will present the first research on China's Internet-based influence operations targeting the West.

TRACK	SESSION LENGTH	BADGE ACCESS
Identity	50 MIN	FC

How the H@ck R U? A Modern Identity Assurance Approach in a Hacked World IDY-W12

Angel Grant, Director Identity, Fraud & Risk Intelligence, RSA

A tour of the dark web, methods and tools cybercriminals use to obtain identity information, and tips to embrace our interconnected world for stronger identity assurance.

TRACK	SESSION LENGTH	BADGE ACCESS
Law	50 MIN	FC

Cryptocurrency Hacking and the Legal Climate for Blockchain Technology LAW-W12

MODERATOR: Julie Lewis, President, CEO and Founder, Digital Mountain, Inc.
PANELISTS: Hoyt Kesterson, Senior Security Architect, Avertium; **Aleks Kobzanets**, Special Agent, Federal Bureau of Investigation; **Christopher Ott**, Partner, Davis Wright Tremaine

Join DOJ, FBI, data security and forensics veterans to discuss how blockchain technologies and cryptocurrency are impacting cyber-investigations, as well as legal and regulatory considerations.

TRACK	SESSION LENGTH	BADGE ACCESS
Machine Learning & Artificial Intelligence	50 MIN	FC

Build Intelligent Vulnerability Scoring to Optimize Security Residual Risks MLAI-W12

Bill Chen, Chief Security Architect, Visa Inc.; **Gyan Prakash**, Sr. Director, Visa Inc.

The ability to effectively prioritize critical findings is a key success factor for every CISO. This talk will answer the question which vulnerabilities to be resolved first, and why with intelligent tool.

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 MIN	FC

Hacking Healthcare Live: Digital Disease, Clinical Crisis MBS-W12

MODERATOR: Christian Dameff, Emergency Physician and Clinical Informatics Fellow, University of California San Diego
PANELISTS: Suzanne Schwartz, Associate Director for Science & Strategic Partnerships, Center for Devices & Radiological Health – US Food & Drug Administration; **Jeff Tully**, Resident Anesthesiologist, UC Davis Medical Center; **Beau Woods**, Cyber Safety Advocate, I Am the Cavalry

Healthcare cybersecurity is in critical condition, and unsuspecting doctors face the reality of practice in a brave new world of insecure technologies and vulnerable patients in a live simulation.

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

Trapping Bears with Honey: Sharing Tricks and Techniques to Lure Bad Guys P2P1-W12

Olivier Bilodeau, Cybersecurity Research Director, GoSecure

Honeypots are effective to lure attackers into delivering malware and showing tactics, techniques and procedures. Let's discuss the next steps to take with these, share experience and collaborate.

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

Meeting Cybersecurity Regulatory Requirements with Cloud Delivery Models P2P2-W12

Jeffrey King, Principal, Promontory

Most cybersecurity regulations are written with a bias toward on-premise service delivery models, with little consideration to cloud delivery models. This results in compliance challenges.

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

Increasing Usage of a Secure Development Lifecycle P2P3-W12

Cassie Crossley, Director, Product Security Office, Schneider Electric

Discuss techniques and best practices for embedding a secure development lifecycle into your organization.

TRACK	SESSION LENGTH	BADGE ACCESS
Policy & Government	50 MIN	FC

Bridging the Divide—Cybersecurity Priorities in 116th Congress PNG-W12

MODERATOR: Jamil Jaffer, Adjunct Professor & Director, National Security Law & Policy Program and Founder & Executive Director, National Security Institute, George Mason University Law School
PANELISTS: Hope E. Goins, Staff Director, House Committee on Homeland Security; **Mike Flynn**, Senior Counsel, Committee on Homeland Security and Government Affairs

With new leadership in Congress and divided government, this esteemed panel will discuss issues like supply chain, destructive cyberattacks, protection of key networks and social media weaponization.

TRACK	SESSION LENGTH	BADGE ACCESS
Privacy	50 MIN	FC

Global Legislative Trends in Data Privacy and Security Regulation for 2019 PRV-W12

April Doss, Partner, Saul Ewing Arnstein & Lehr; **Natasha Kohne**, Partner, Akin Gump; **William Rogers**, Partner, Prince Lobel Tye LLC

With a year of GDPR experience, its influence is ripe for commentary. We will focus on global themes and emerging trends reflected in recent legislative activity concerning data privacy and security.

TRACK	SESSION LENGTH	BADGE ACCESS
Protecting Data & the Supply Chain Ecosystem	50 min	FC

What Lurks within Your IT: Spotlight on the Dark Side of the Supply Chain PDAC-W12

Dawn Cappelli, VP Global Security and CISO, Rockwell Automation; **Edna Conway**, Chief Security Officer, Global Value Chain, Cisco Systems Inc.

Altered components, tainted software and shipments diverted to allow unauthorized "modifications!" IT/OT security experts will explore this third-party risk and what to do about it.

WEDNESDAY SESSION DETAILS

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	50 MIN	FC

The Fallacy of the "Zero-Trust Network" STR-W12

Paul Simmonds, CISO / CEO, Global Identity Foundation

Zero-trust networks? Separating the marketing BS and hype from the architectural imperative we all face.

Sponsor Special Topics	50 MIN	ALL
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Who Watches the Watchers: IP Protection for Privileged Users SPO1-W12

Richard Ford, Chief Scientist, Forcepoint

Often developers of IP represent the greatest risk to its theft. Learn how behavioral analytics can protect IP from legitimate users using the FBI's affidavit on the GE IP theft as case study.

Sponsor Special Topics	50 MIN	ALL
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Designing for Doomsday: Effective API Security Approaches from the Edge SPO2-W12

Josh Shaul, Vice President, Web Security, Akamai Technologies

API security has emerged as the single biggest challenge organizations face to securing their threat surface. Learn to detect, defend and design security in from the beginning. Are you prepared?

Sponsor Special Topics	50 MIN	ALL
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Unmasking Operation Shaheen SPO3-W12

Kevin Livelli, Director of Threat Intelligence, Cylance, Inc.; Tom Pace, Sr. Director, Worldwide Consulting, Cylance, Inc.

Cylance shows how a threat actor evaded eight antivirus products before deliberately surrendering to distract, delay and divert target resources.

Technology Infrastructure & Operations	50 MIN	FC
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Making Security Automation Real TECH-W12

Jessica Fitzgerald-McKay, Security Automation Lead, National Security Agency; David Waltermire, Security Automation Architect, National Institute of Standards and Technology

Only through standardized posture information will defenders be able to automate security and harden the network to attack.

3:00 PM

RSAC Sandbox	30 MIN	ALL
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Cybersecurity and Privacy: The Two Main Tenets in the Smart City Project SBX4-W3

MODERATOR: *Maryam Rahmani, Global Partnership Officer, Global Cyber Alliance*

PANELISTS: *Tony Batalla, Head of IT, San Leandro City; Lan Jensen, CEO, Adaptable Security Corp; Sokwoo Rhee, Associate Director of Cyber-Physical Systems Innovation, National Institute of Standards and Technology*

The smart city projects bring many benefits to the community when done right. The panelists will discuss the importance of security by design in support of cybersecurity, privacy and public safety.

3:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

TLS Redirection: How to Make MitM on HTTPS Possible BC-W10S

Aleksei Tiurin, Senior Security Researcher, Acutenix

Fresh view on HTTPS. How web vulnerabilities and modern technologies can "bring down" HTTPS protection.

3:20 PM

Expo Briefing Center North	30 min	ALL
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What a Cyberattack Looks Like When You're Watching Your Data BC-W8N

Brian Vecci, Technical Evangelist, Varonis

Watch a live cyberattack! From popping a shell with Metasploit to data exfiltration via DNS tunneling, this session will demo how analysts use Varonis to detect, investigate and stop advanced attacks.

3:30 PM

RSAC Sandbox	30 MIN	ALL
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Safety Systems Are the New Target: Design Security Using Safety Methods SBX4-W4

Marty Edwards, Director of Strategic Initiatives, International Society of Automation (ISA)

Triton/Trisis/Hatman shows that industrial control safety systems are the new target. To maintain the safety of these systems you must design your cybersecurity protections with the same safety rigor.

3:40 PM

Expo Briefing Center South	20 min	ALL
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GDPR Security Postmortems: Lessons Learned from Facebook, Uber and Others BC-W11S

Scott M. Giordano, Esq., VP, Data Protection, Spirion

This session will review security postmortems of Facebook, Uber and others, determine what went wrong, and discuss the implications for complying with the security requirements of the GDPR going forward.

4:00 PM

Expo Briefing Center North	30 min	ALL
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Red vs. Blue? Why Not Purple? Doing Good While Knowing Evil. BC-W9N

David DeSanto, Director, Products and Threat Research, Spirent

Learn how emulating actual data breach assessments in production networks can help you know your organization's security posture regularly—and rigorously—and keep your defenses ready.

WEDNESDAY

WEDNESDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

4:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center South	20 min	ALL

As Cyber Criminals Raise Their Game, So Should Security Awareness Programs BC-W12S

Craig Kunitani, COO, Security Mentor; Marie White, CEO, Security Mentor

Do you rely solely on phishing to ensure your employees are secure? If so, they may well be at risk. We'll explore the importance of a comprehensive approach to employee security awareness.

Law	50 MIN	FC
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Into the Breach: Dealing with Law Enforcement and Counsel in a Cyber-Crisis LAW-W15

MODERATOR: Nicole Friedlander, Partner, Sullivan & Cromwell LLP

PANELISTS: Kristy Greenberg, Assistant United States Attorney, United States Attorney's Office for the Southern District of New York; Erin Joe, Section Chief, FBI Cyber Division, Federal Bureau of Investigation (FBI)

This session will explore effective strategies for engagement with law enforcement and counsel during cyber-incident response.

4:10 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer △	50 MIN	FC

Zero Trust, the Goose and the Golden Ticket P2P1-W15

Karen Reinhardt, Director, Security Tools, Entrust Datacard

In the evolving world of cloud and IoT, where zero trust is the rule of Internet, how can practical trust be established? Join us to discuss trust and identity in a zero-trust world.

Peer2Peer △	50 MIN	FC
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Best Practices for Securing Enterprise IoT P2P2-W15

John Johnson, CTO & Professor, RIG & Excelsior College

Participants will share best practices for securing and managing IoT, BYOD and other nontraditional systems being connected to their enterprise TCP/IP networks.

Peer2Peer △	50 MIN	FC
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What's Your Externally Facing API and Service Attack Surface? P2P3-W15

Mark Willis, Director, Software Security, Aetna

How well do you know your externally facing API and services and whether they are adequately secured? Let's all get together to share ideas and help remove this long overlooked blind spot.

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THURSDAY EVENTS & ACTIVITIES

6:00 AM – 7:00 AM **POWER PAUSE—MINDFULNESS & MOVEMENT***
Moscone West Level 2 Alcove This yoga class and meditation session is designed for all levels from beginners to advanced practitioners.

7:00 AM – 8:00 AM **CONTINENTAL BREAKFAST***
Various Locations Full Conference Pass holders, head directly to your chosen morning session. Breakfast is available in Moscone West Levels 2 & 3 and Moscone South Levels 2 & 3.

7:00 AM – 7:50 AM & 12:40 PM – 1:30 PM **BIRDS OF A FEATHER***
Moscone West Level 3 Grab your breakfast or lunch and bring it to the discussion rooms. Some topics are pre-defined and led by speakers, others will develop organically; by design, this is loosely structured to give you an opportunity to network and set the agenda for discussions of interest to you. **Note: Press is not permitted in Birds of a Feather sessions.**

7:00 AM – 8:00 AM **FIRST-TIMERS MEET-UP***
Moscone West Level 2 Alcove Start the day with a meet-up with other RSAC First-Timers. Grab your complimentary breakfast and enjoy this time to regroup, share takeaways and, of course, caffeinate.

KEYNOTES

Keynote abstracts can be found on pages 34 – 35.

8:00 AM – 8:50 AM **Stress, Burnout and You: Fireside Chat with Dr. Christina Maslach**
South Esplanade 🗣️ **Josh Corman**, Chief Security Officer, PTC; **Christina Maslach**, Professor of Psychology, Emerita, University of California, Berkeley

9:20 AM – 10:10 AM **Hacking Exposed: Hacking Macs**
South Esplanade 🗣️ **Dmitri Alperovitch**, Co-Founder & Chief Technology Officer, CrowdStrike; 🗣️ **George Kurtz**, Chief Executive Officer, CrowdStrike

10:30 AM – 10:55 AM **Stop Worrying about the Right Things**
West Street Level **Mary O'Brien**, General Manager, IBM Security; **Caleb Barlow**, Vice President, IBM Security, X-Force Threat Intelligence

10:55 AM – 11:40 AM **The Five Most Dangerous New Attack Techniques and How to Counter Them**
West Street Level **MODERATOR: Alan Paller**, Research Director and Founder, SANS Institute
PANELISTS: Heather Mahalik, Director of Forensics Engineering, ManTech, and Mobile Forensics Course Director, SANS Institute; **Ed Skoudis**, Instructor, SANS Institute; **Johannes Ullrich**, Dean of Research, SANS Technology Institute

2:50 PM – 3:40 PM **The Future of Data Protection: Adapting to the Privacy Imperative**
South Esplanade **MODERATOR: 🗣️ J. Trevor Hughes**, President & Chief Executive Officer, IAPP
PANELISTS: Kalinda Raina, Senior Director, Head of Global Privacy, LinkedIn; **Ruby Zefo**, Chief Privacy Officer, Uber

4:00 PM – 4:25 PM **Three Things the Security Industry Isn't Talking About (but Should Be)**
West Street Level **Pat Gelsinger**, Chief Executive Officer, VMware; 🗣️ **Shannon Lietz**, Director, Intuit

4:25 PM – 4:45 PM **Tales of a Teenage Security Supergirl**
West Street Level **Kyla Guru**, Founder and Chief Executive Officer, Bits N' Bytes Cybersecurity Education

4:45 PM – 5:30 PM **Connecting the Dots for the Future**
West Street Level **John T. Chambers**, Founder and Chief Executive Officer, JC2 Ventures, Former Chairman and Chief Executive Officer, Cisco; **Diane Brady**, Award-Winning Writer, Author and Consultant

8:00 AM – 10:10 AM & 1:30 PM – 3:40 PM **TRACK SESSIONS**
Various Locations See detailed information on following pages for descriptions and badge access.

8:00 AM – 11:20 AM & 1:30 PM – 4:30 PM **LEARNING LABS***
Moscone West Level 3 Learning Labs provide highly interactive, facilitated learning experiences and are very hands-on and small group oriented. Seating is limited; use Reserve a Seat to schedule your participation. You can only reserve one Lab on your schedule, so pick carefully from our 20 great offerings. **Note: Press is not permitted in Lab sessions.**

THURSDAY EVENTS & ACTIVITIES

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- 8:00 AM – 3:30 PM **RSAC SANDBOX**
Marriott Yerba Buena 8 The RSA Conference Sandbox is full of hands-on interactive experiences to test your infosec skills.
- RSAC Early Stage Expo
Exclusive Media Sponsor:

-
- 8:00 AM – 3:00 PM **RSAC CYBREW CAFÉ**
Marriott,
RSAC Sandbox A full-service coffee bar.
-
- 8:00 AM – 3:00 PM **RSAC EARLY STAGE EXPO**
Marriott Yerba Buena 9 The RSAC Early Stage Expo is the perfect megaphone for emerging infosec startups. Meet over 50 of the industry's most promising newcomers and learn about their innovative products and solutions, and check out the RSAC Early Stage Expo Briefing Center (details on pages 180 – 185).
- RSAC Early Stage Expo
Exclusive Media Sponsor:

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- 8:00 AM – 5:00 PM **BROADCAST ALLEY**
Moscone West
Street Level Watch top security publications shoot live and record exclusive interviews.
-
- 9:20 AM – 5:00 PM **BRIDGING THE GAP: CYBERSECURITY + PUBLIC INTEREST TECH***
South 301 See following pages for descriptions.
-
- 9:20 AM – 12:50 PM & 1:30 PM – 5:00 PM **PEER2PEER SESSIONS***
Moscone South
Level 3 P2P sessions enable groups of no more than 30 people that share a common interest to come together and productively explore a specific security topic, facilitated by an experienced practitioner. **Note: Press is not allowed in Peer2Peer sessions.**
-
- 10:00 AM – 3:00 PM **RSAC SECURITY OPERATIONS CENTER**
Moscone South
Lower Level Take a tour of a working SOC! Head to the Moscone South Lower Level for the RSA Conference Security Operations Center. See what's really taking place on the Moscone Wireless Network in real time.
- Sponsored by:

-
- 10:00 AM – 3:00 PM **EXPO**
Moscone North &
South Lower Levels Come see how RSA Conference 2019 exhibitors offer you the latest technological solutions, provide hands-on learning opportunities and demonstrate how they can help you better secure your organization.
-
- 10:30 AM – 12:00 PM **EXPO BRIEFING CENTER**
Moscone North &
South Lower Levels See following pages for abstracts and a complete schedule on pages 115–118.
-
- 11:00 AM – 2:00 PM **STREET EATS**
Howard Street,
Mission Street With options for all tastes, Street Eats is the easy way to fuel up between sessions or get energized before your next keynote. Stop by any of our food trucks on Mission Street or Howard Street.
-
- 6:30 PM – 8:30 PM **RSAC AFTER HOURS: COMEDY NIGHT** 
Moscone South
Esplanade,
South Stage You're good for a network backup. How about a laugh? Get your fill at RSAC After Hours: Comedy Club. Stroll in and strike a pose on the red carpet before taking your seat in the front row of our very own comedy club. Serving up bottomless laughs—plus delicious food and cocktails—some of the funniest comedy acts around will take the stage, adding some good humor to a busy week. Now, who said cybersecurity professionals were all business?
Open to Full Conference and Discover Pass holders. Choose one of the RSAC After Hours events on Tuesday, Wednesday or Thursday nights of Conference. Space is limited so make sure to reserve a seat.

THURSDAY SESSION DETAILS

8:00 AM

TRACK / TOPIC SESSION LENGTH BADGE ACCESS

Analytics Intelligence & Response 50 MIN FC

How CTI Can Play a Key Role to Get Security on Board AIR-R02

Jean-Yves Riverin, Cyber Threat Intelligence Senior Advisor, Desjardins

Walk-through of the creation of Desjardins' SOC eight years ago and all the ensuing steps accomplished over the years to improve its maturity and get the ongoing support of upper management.

Application Security & DevSecOps 50 MIN FC

Container Security at the Speed of CI/CD ASD-R02

Tim Chase, Director of Security, HealthStream

Containers are everywhere! But how do you deal with the security challenges of using containers? This session will discuss why containers are complex to secure and a solution on securing them.

Association Special Topics 50 MIN ALL

The NIST Cybersecurity Framework: Building on Success

AST1-R02

MODERATOR: *Kelly Hood, Cybersecurity Engineer, G2 Inc.*

PANELISTS: *Matthew P Barrett, Program Manager, National Institute of Standards and Technology; Gary Coverdale, Chief Information Security Officer, Mono County, CA; Plamen Martinov, Chief Information Security Officer, University of Chicago*

The Cybersecurity Framework PM from NIST and industry practitioners will discuss the adoption, near-term goals, experiences and lessons learned from implementing the Cybersecurity Framework.

Association Special Topics 50 MIN ALL

Responding to and Recovering from Cybersecurity Incidents

AST2-R02

MODERATOR: *Kelvin Coleman, Executive Director, National Cyber Security Alliance*

PANELISTS: *Bob Kolasky, Director, National Risk Management Center, National Protection and Programs Directorate, U.S. Department of Homeland Security; Daniel Medina, Director, Strategic and Technical Engagements, Glasswall Solutions Inc.; Bridgette Walsh, Chief, Partnerships and Engagement, Office of Cybersecurity and Communications, National Protection and Programs Directorate, U.S. Department of Homeland Security*

After a cybersecurity incident is detected, every passing moment is critical. Experts will outline what you need to know in order to mitigate the effects of a breach and recover.

Association Special Topics 50 MIN ALL

Please see addendum for session details.

Blockchain & Applied Crypto 50 MIN FC

The Detrimental Nature of Proofs of Work, and Risks to Cryptocurrencies BAC-R02

Guy Stewart, Co-Founder and CTO, Egni Inc.

This session will analyze destabilizing aspects of cryptocurrencies and how a departure from the PoW paradigm can mitigate the problem, and will also discuss beneficial side effects of increased robustness.

8:00 AM, CONTINUED

TRACK SESSION LENGTH BADGE ACCESS

C-Suite View 50 MIN FC

What Sennacherib Taught Me about Security: How to Translate Cyber-Speak CXO-R02

Mary Ann Davidson, Chief Security Officer, Oracle

If you work for Sennacherib, King of Assyria, you need to speak Akkadian. If you work in cybersecurity, you need to speak many languages beside Geek to be understood by those who need to get it.

Cloud Security & Virtualization 50 MIN FC

Kubernetes Runtime Security: What Happens if a Container Goes Bad? CSV-R02

Jen Tong, Security Advocate, Google

Kubernetes security discussions often focus on safe configurations and deployments. This talk will focus on a different aspect: runtime security. Runtime security mitigates damage done by a compromise.

Cryptography 50 MIN FC

MAC and Authenticated Encryption CRYP-R02 

Bart Mennink, Radboud University, Nijmegen; Yu Sasaki, NTT Secure Platform Laboratories

Techniques on message authentication code (MAC) and authenticated encryption (AE) will be discussed.

TOPIC 1: Universal Forgery and Multiple Forgeries of MergeMAC and Generalized Constructions

Authors: Tetsu Iwata; Virginie Lallemand; Gregor Leander; Yu Sasaki

TOPIC 2: Linking Stam's Bounds with Generalized Truncation

Authors: Bart Mennink

Governance, Risk & Compliance 50 MIN FC

What Makes a Good KRI? Using FAIR to Discover Meaningful Metrics GRC-R02

Marta Palanques, Director, Enterprise Risk Management, ADP; Steve Reznik, Director, Operational Risk Management, ADP

This session will review characteristics of good and bad risk metrics, and introduce a method using sensitivity analysis to identify key risk indicators.

Hackers & Threats 50 MIN FC

Business Email Compromise: Operation Wire Wire and New Attack Vectors HT-R02

Anne Connell, Cybersecurity Engineer, CMU – SEI – CERT

This talk will analyze "Operation Wire Wire" to detail how BEC attacks chose targets, methods of obtaining information, the new attack vectors, how the money travels, and offers new defense techniques.

THURSDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats Advanced	50 MIN	FC

Cryptojacking Meets IoT HTA-R02

Sherri Davidoff, CEO, LMG Security; **Matt Durrin**, Security Consultant, LMG Security

Hackers have a new way to profit off your security cameras, smart lighting, and even your fancy coffeepot: cryptojacking. Watch an infection of an IoT device with the Mirai botnet and mine Monero.

Hackers & Threats Advanced 2x	50 MIN	FC
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What's Your Game Plan? Leveraging Apple's Game Engine to Detect Threats HTA-T08R

Patrick Wardle, Co-Founder, Digita Security

To detect new Mac malware, a behavior-based approach is needed. Our open-source monitoring framework provides input to a rule-based system that leverages Apple's game engine to detect threats.

Human Element	50 MIN	FC
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Cheaper by the Dozen: Application Security on a Limited Budget HUM-R02

Christopher Romeo, CEO, Security Journey

Do you have one million dollars to spend on application security? If not, learn which projects fit together to solve AppSec problems. Explore OWASP projects: purpose, usage, risk, HR and advice on starting.

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Identity	50 MIN	FC

Securing Intel PC for FIDO Support: Industry Standard to Remove Passwords IDY-R02

Nitin Sarangdhar, Senior Principal Engineer, Intel Corporation

This session will cover how password removal is accomplished by FIDO industry standard and best practices to implement FIDO Authenticators on Intel trusted execution environment-based PCs.

Learning Labs △	3 HRS	FC
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Threat Hunting across Thousands of Multicloud Workloads LAB3-R02 ⚙️

Matthew Chiodi, Chief Security Officer, Public Cloud, Palo Alto Networks; **Gaurav Kumar**, CTO, RedLock

Are you sure your cloud environments are really safe? Get your hands dirty threat hunting across multiple public cloud environments utilizing a combination of open source and commercial tools.

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THURSDAY SESSION DETAILS

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 MIN	FC

Manufacturers Approach towards Cybersecurity Threats Targeting Healthcare MBS-R02

MODERATOR: **Jonathan Bagnall**, Sr. Security Manager, Product Security & Services Office (PSSO), Royal Philips

PANELISTS: **Phil Englert**, System Director, Technology Operations, Retired – Catholic Health Initiatives; **Roberta Hansen**, Director, Product Cybersecurity, Abbott; **Michael McNeil**, Global Product Security & Services Officer, Royal Philips; **David Nathans**, Product Security Office, Siemens Healthcare

Improving medical device and services cybersecurity. What do manufacturers, medical device owners and regulators need to consider?

Professional Development	50 MIN	FC
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Mushrooming Economic Inequality Menaces Security: Here's How to Fix It PROF-R02

 **Laura Koetzle**, Vice President, Group Director, Forrester Research

Today's consumer data monopolies, automation and economic concentration combine to fuel economic inequality. In this session, learn how we got here, why this is our problem and how to fix it.

Protecting Data & the Supply Chain Ecosystem	50 MIN	FC
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Software Bill of Materials: Progress toward Transparency of Third-Party Code PDAC-R02

Allan Friedman, Director of Cybersecurity, NTIA / US Department of Commerce

How to assemble, share and use third-party component data? An update and initial outcomes from an NTIA-convened process on SBOMs, with input from different sectors.

RSAC Sandbox	1.5 HRS	ALL
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SANS Core NetWars Experience—Intro to Capture the Flag SBX2-R1

Chris Elgee, Builder & Breaker, Counter Hack Challenges; Co-hosted by **Women's Society in Cyberjutsu (WSC)**

SANS NetWars Experience develops and tests your information security skills in a safe, interactive environment, while having a little fun with your fellow IT security professionals.

RSAC Sandbox	1 HR	ALL
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Wireless Offense and Defense, Explained and Demonstrated! SBX3-R1

Rick Farina, Senior Product Manager, WLAN Software Security, Aruba; **Rick Mellendick**, Chief Security Officer, Process Improvement Achievers LLC

This session will discuss the use of radio frequency that is often overlooked for network enumeration and attack. Without understanding the offensive attacks an organization can't perform effective defense.

8:00 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Mashup	50 MIN	FC

Threat Hunting Using 16th-Century Math and Sesame Street MASH-R02

Vernon Habersetzer, Sr. Enterprise Technical Expert, Walmart

Uncover unique and unusual behaviors in any sized network through the simple, yet effective hunting methods covered in this session. These methods can be applied to any network or endpoint data.

Security Strategy & Architecture	50 MIN	FC
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Future Forests: Realistic Strategies for AD Security & "Red Forest" Architecture STR-R02

Katie Knowles, Security Consultant, MWR InfoSecurity

This session will investigate a realistic process to implement Microsoft's Red Forest for Active Directory. This recommended journey integrates lessons learned from both attackers and defenders.

Technology Infrastructure & Operations 	50 MIN	FC
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Election Hacking is No Longer Theoretical: Russians Are Pwning Our Votes TECH-R02

James Foster, CEO, ZeroFOX; **Avi Rubin**, Professor, Johns Hopkins University

Election hacking is real. The vulnerability of modern elections has never been greater and the advanced challengers to the systems, processes and infrastructure are quickly gaining more ground.

9:10 AM

RSAC Sandbox	30 MIN	ALL
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How Long to Boom: Understanding and Measuring ICS Hacker Maturity SBX4-R1

Sergio Caltagirone, Director, Threat Intelligence, Dragos

ICS hackers don't start by disrupting electric grids but mature over time. Using threat intelligence we model ICS threat maturity to determine individual threat risk and predict threat timelines.

9:20 AM

Analytics Intelligence & Response	50 MIN	FC
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Joining Forces: Transforming Cybersecurity through Diversity and Data AIR-R03

MODERATOR: **Heather King**, Chief Operating Officer, Cyber Threat Alliance

PANELISTS: **Jeannette Jarvis**, Director Product Marketing, Fortinet, Inc.; **Michelle Martinez**, Senior Threat Intelligence Analyst, Rapid 7; **Kathleen Whitbey**, Program Manager, CTI Information Sharing, Palo Alto Networks

Stakeholders are joining forces to share threat intelligence for the good of all and the internet as a whole, and women bring diverse perspectives offering solutions to problems facing the industry.

THURSDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Application Security & DevSecOps	50 MIN	FC

Stop That Release, There's a Vulnerability! ASD-R03

Christine Gadsby, Head of Product Security Operations, BlackBerry

Join us to explore the security development life cycle and how to prioritize software security fixes.

Blockchain & Applied Crypto	50 MIN	FC
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Raiding Lost BTC and Other Cryptocurrencies BAC-R03

Konstantinos Karagiannis, CTO, Security Consulting, BT Americas

Ways to recover lost BTC and other cryptocurrencies. The techniques you'll learn come not only from ongoing crypto lab research and experimentation but real-world lessons learned.

Blockchain & Applied Crypto 2x	50 MIN	FC
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Mechanical Backdoors in Cold War Encryption Machines

BAC-T08R

Marcus Sachs, Chief Security Officer, Pattern Computer

Many stories have been told about breaking the Enigma. This talk will cover mechanical Hagelin cipher devices that were sold "pre-broken" during the Cold War, and used by some countries into the 1990s.

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Bridging the Gap: Cybersecurity + Public Interest Tech	50 MIN	FC

Introduction: Public Interest Technologists and Cybersecurity PITC-R03

MODERATOR: J. Bob Alotta, Astraea Foundation

PANELISTS: Matt Mitchell, Tactical Tech; Bruce Schneier, Fellow and Lecturer, Harvard Kennedy School

Public interest technologists apply technological expertise to further the public interest. In this session, we'll talk about who and how—and what needs to be done in the future.

C-Suite View	50 MIN	FC
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Diversity and Inclusion: Impacting Culture to Create a More Creative Environment CXO-R03

MODERATOR: Michael Palmer, VP and CISO, National Football League

PANELISTS: Alissa Abdullah, Ph.D., VP, Chief Information Security Officer, Xerox Corporation; Roland Cloutier, Staff VP, Global Chief Security Officer, ADP; Emily Heath, VP & CISO, United Airlines; Jason Witty, CISO, JP Morgan

Diversity and inclusion positively impact security organizations, but there's still work to do. CISOs will share their experiences in their drive to change cultures within and outside of their organizations.

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THURSDAY SESSION DETAILS

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Cryptography	50 MIN	FC

Side Channel and Leakage Resilience CRYPT-R03

Liron David, Tel-Aviv University; **Antonio Faonio**, IMDEA Software Institute

Topics on side channel attacks and leakage resilience cryptography will be discussed.

TOPIC 1: Poly-Logarithmic Side Channel Rank Estimation via Exponential Sampling

Authors: Liron David; Avishai Wool

TOPIC 2: Efficient Fully-Leakage Resilient One-More Signature Schemes

Authors: Antonio Faonio

Governance, Risk & Compliance	50 MIN	FC
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NIST Cybersecurity Framework and PCI DSS GRC-R03

Troy Leach, Chief Technology Officer, PCI Security Standards; **Emma Sutcliffe**, Senior Director, Data Security Standards, PCI Security Standards Council

This session will cover PCI SSC's current efforts to map controls between the NIST Cybersecurity Framework and PCI DSS.

Hackers & Threats	50 MIN	FC
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Anatomy of Phishing Campaigns: A Gmail Perspective HT-R03

Nicolas Lidzboriski, Security Lead – Senior Staff Software Engineer, Google; **Ali Zand**, Software Engineer, Google

This talk will summarize the insights from the latest evolution of phishing attacks as seen by Gmail.

Hackers & Threats Advanced	50 MIN	FC
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Malicious, Misbehaving or Misunderstood? Making Bad USBs Good Again HTA-R03

Eric Knapp, Chief Engineer, Director of Innovation, Honeywell; **Peter Viscarola**, Consulting Partner, OSR Open Systems Resources, Inc.

Deep dive into the USB protocol, to understand how USB can be as difficult and dangerous as it is useful. A hacked e-cigarette will illustrate how a USB attack works, and how to defend against it.

Human Element	50 MIN	FC
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Don't Hand Me That! The Art of Incident Analysis HUM-R03

Kristy Westphal, VP, CSIRT, Union Bank

This talk will explore various cases where gut feeling wasn't the best way to analyze a security event and the consequences that came from an improper analysis.

Identity	50 MIN	FC
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Decentralized Identity: No Promises Edition IDY-R03

 **Pamela Dingle**, Director of Identity Standards, Microsoft; **Preeti Rastogi**, Principal Software Engineer, Microsoft

Decentralized identity promises amazing benefits. Join us for an overview of how public keys stored on a ledger might act as an anchor for digital trust and architectures evolving to leverage that trust.

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Learning Labs 	2 HRS	FC

Mental Health in Cybersecurity: Preventing Burnout, Building Resilience LAB1-R03

Ryan Louie, Psychiatrist, Foundation Physicians Medical Group, Inc.

Mental health directly impacts the daily work and lives of cybersecurity professionals. This session will discuss the stressors unique to cybersecurity, burnout and how to build mental resilience.

Learning Labs 	2 HRS	FC
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Cybersecurity Leadership Effectiveness Using the 7-S Framework LAB2-R03

 **Todd Fitzgerald**, Managing Director/CISO, CISO SPOTLIGHT, LLC

How do we know if the CISO's security program has accounted for all the components to be effective? This session will examine cybersecurity strategy, structure, staff, skills, style and shared values.

Learning Labs 	2 HRS	FC
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Cyber Defense Matrix Reloaded LAB4-R03

 **Sounil Yu**, Chief Security Scientist, Bank of America

This session will show new use cases of the Cyber Defense Matrix, including how to measure controls; align them against emerging threats; and manage your security program through design patterns.

Mobile & IoT Security	50 MIN	FC
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Fixing the Mess of IoT Security MBS-R03

Ken Munro, Partner, Pen Test Partners

With a live demo this talk will show how an IoT device can be hacked and explore why authorities still fail to deal with this growing issue. We'll also give advice for parents/kids/friends about IoT security.

Peer2Peer 	50 MIN	FC
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"Next-Next-Gen Security 3.0": Truth and Lies P2P1-R03

Pete Lindstrom, Vice President for Security Strategies, IDC

This P2P will address the latest and greatest security tools and methods to help determine which ones are unlikely to succeed and which have real merit to contribute to a strong security program.

Peer2Peer 	50 MIN	FC
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Making MITRE ATT&CK™ Work for You: Sharing Best Practices for Success P2P2-R03

Katie Nickels, ATT&CK Threat Intelligence Lead, MITRE

This session will bring together ATT&CK users to share best practices and lessons learned, allowing participants to leave with actionable insights to improve their defenses.

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer	50 MIN	FC

De-Bugging Legal Issues in Bug Bounty Programs and VDP
P2P3-R03

Peter Fisk, Attorney, Lane Powell PC

VDP is a legal device as much as it is technical. Some of the basic issues are known—safe harbor, scope, disclosure—but on the whole there is no standard legal playbook yet. Let's change that.

Policy & Government	50 MIN	FC
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Investigating IoT Crime: The Value of IoT Crime Classification
PNG-R03

MODERATOR: Evan Perez, Senior Justice Correspondent, CNN

PANELISTS: Anthony J. Ferrante, Global Head of Cybersecurity and Senior Managing Director, FTI Consulting, Inc.; Jordan Kelly, Senior Managing Director, FTI Consulting; Aristedes Mahairas, Special Agent in Charge, Federal Bureau of Investigation (FBI)

Our presentation proposes a comprehensive approach towards cybercrime interpretation through a framework of three separate and complementary views to achieve actionable recommendations.

Professional Development	50 MIN	FC
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Women in Cybersecurity: Finding, Attracting and Cultivating Talent
PROF-R03

Mandy Galante, Director of the Information Technology Institute, Mater Dei Prep High School, The SANS Institute; Michele Guel, Distinguished Engineer/ IoT Security Strategist, Cisco Systems

From cyber-competitions to camps, internships and careers, this session will summarize what works and what doesn't in increasing the participation of young women in cybersecurity.

Protecting Data & the Supply Chain Ecosystem	50 MIN	FC
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Context-Based Data Sensitivity Classification PDAC-R03

Anchit Arora, Program Manager, Cisco Systems; John Cashman, Information Security Architect, Cisco Systems

Importance of context-based models for enterprises as the foundation of data identity preserving capabilities such as data tagging and lead to effective data protection.

Security Mashup	50 MIN	FC
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NONE of Us Are as Smart as ALL of Us MASH-R03

Wade Baker, Partner, Cyentia Institute; Jay Jacobs, Data Scientist, Cyentia Institute

We analyze 1,000+ recent security industry reports using various machine learning and meta-analysis techniques to share consensus lessons found deep within our corpus of published research.

Security Strategy & Architecture	50 MIN	FC
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Security Learns to Sprint: DevSecOps STR-R03

Tanya Janca, Senior Cloud Developer Advocate, Microsoft

This talk will explain what security teams need to adjust in order to turn DevOps into DevSecOps, by weaving security into each of the "Three Ways," with steps audience members can start immediately.

Malwarebytes

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THURSDAY SESSION DETAILS

9:20 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 MIN	ALL

The Upside Down—The Roles & Responsibilities of Cybercrime Syndicates SPO1-R03

Maya Horowitz, Director, Threat Intelligence & Research, Check Point Software Technologies Ltd.; **Oded Vanunu**, Head of Products Vulnerability Research, Check Point Software Technologies Ltd.

Cybercrime has shifted from the “the lone wolf” operator to a well-organized and structured money-making machine. Take a deep dive into the underground roles and structures.

Sponsor Special Topics	50 MIN	ALL
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Please see Addendum for session details.

Sponsor Special Topics	50 MIN	ALL
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Effectiveness vs. Efficiency: 10 Capabilities of the Modern SOC SPO3-R03

Oliver Friedrichs, VP, Security Automation and Orchestration, Splunk

In this session, Splunk will share the 10 must-have capabilities of the modern SOC that focus on bringing efficiency to security teams and optimizing their security workflows.

Technology Infrastructure & Operations	50 MIN	FC
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Protecting Your Achilles Heel: Managing Security Risk in Your Legacy Product Portfolio TECH-R03

Kyle Brunell, Connected Product Security Leader, EY

Legacy products were not developed with today's threats in mind yet are expected to operate long into the future. Security is a pervasive challenge that cannot be addressed by security teams alone.

9:30 AM

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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IoT WiFi is the Hacker's Greenfield, It Cannot Wait to WAP3 BC-R1ESE

Shlomo Touboul, Founder & CEO, WifiWall

The ultrafast IoT network deployments require better WiFi security. Those 2.4GHz WiFi networks, cannot wait for an upgrade and need to secure the existing implementations.

9:40 AM

RSAC Sandbox	30 MIN	ALL
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I Belong Here SBX4-R2

Michelle Mullinix, Digital Analysis and Investigations, Executive Office For US Attorneys

I had no mentors, no guidance beyond my DD 214. I made a path in cybersecurity. Then I started sharing what I did with coworkers and students and other veterans. Before I knew it, I was the mentor.

10:00 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Early Stage Expo Briefing Center	20 MIN	ALL

Privileged Access Management: Making it Affordable and Easy BC-R2ESE

Peter Senescu, Founder, Xton Technologies LLC

Are you tired of enterprise grade PAM tools that are so expensive and hard to manage that they are never fully implemented or worse put off to next year's budget?

10:20 AM

RSAC Sandbox	40 MIN	ALL
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Run for Your Life—No Literally—Do It! SBX1-R1

MODERATOR: Lisa Green, Director, People Relations, Independent Security Evaluators

PANELISTS: Katie Curran, Information Security Engineer, Blackline; **Kat Fitzgerald**, Principal Security Architect, Zebra Technologies; **Xena Olsen**, Cyber Threat Intel Analyst, Discover Financial Services

Despite their benefits, smart devices open people up to new attacks that they may have not considered, such as an aid to attackers in domestic abuse and harassment.

10:30 AM

Expo Briefing Center North	30 MIN	ALL
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Don't Let the Lights Go Out: Inside the Mind of a Power Hacker BC-R1N

Joseph Carson, Chief Security Scientist and Advisory CISO, Thycotic

This session will explore a real-world hack into a power station to explain the planning, perimeter security, engines and SCADA controls. Learn the challenges of reporting to the board and lessons learned.

Expo Briefing Center South	20 MIN	ALL
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Resolve and Evolve: Machine Learning for Email Threat Protection BC-R1S

Dena Bauckman, CISSP, VP, Product Management, Zix

As email threats become more advanced, machine learning is a technique being used to detect these attacks. Learn the latest about machine learning and how it is changing the threat landscape.

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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DevOps, Cloud Sprawl and Security: A Complicated Relationship BC-R3ESE

Paul McCarty, Founder & Engineer, SecureStack

DevOps inspired automation gone wild + the clouds endless capacity increases risk and costs. Paul McCarty talks about how to tame the Cloud Sprawl beast by implementing real DevSecOps principles.

THURSDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

10:40 AM

TRACK / TOPIC SESSION LENGTH BADGE ACCESS

Bridging the Gap: Cybersecurity + Public Interest Tech 50 MIN FC

Public Interest Tech in Silicon Valley PITC-R05

Mitchell Baker, Chairwoman, Mozilla Corporation; Cindy Cohn, EFF

Silicon Valley is at the epicenter of the ongoing technological transformation of human society. How can technologists become forces for the public interest within their own organizations?

Peer2Peer Δ 50 MIN FC

Getting Started with a Quantitative Cyber-Risk Program P2P1-R05

Anthony Martin-Vegue, Director, Information Security Risk, Informatica

Join a discussion on implementing a quantitative cyber-risk program, such as Factor Analysis of Information Risk (FAIR), at your company.

10:40 AM, CONTINUED

TRACK SESSION LENGTH BADGE ACCESS

Peer2Peer Δ 50 MIN FC

Internet Data Privacy Regulation: Not If, but How and by Whom P2P2-R05

Andrea Little Limbago, Chief Social Scientist, Virtru

The battle is on to define the future of the Internet. This session will discuss global laws and policies reshaping the Internet, moves to protect data privacy, and the impact on global business and democracy.

Peer2Peer Δ 50 MIN FC

Can Cybersecurity Awareness Be Trained? P2P3-R05

Gopal Padinjaruveetil, CISO, Auto Club Group

Awareness is not a behavior. Behavior is not just an action. Behavior is the visible byproduct of complex internal processes. Changing how people think and behave is complicated and nonlinear.

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THURSDAY SESSION DETAILS

11:00 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Early Stage Expo Briefing Center	20 MIN	ALL

Medical Workflows Are the Key to Healthcare Cybersecurity

BC-R4ESE

Leon Lerman, CEO, Cynerio

In this session we will demonstrate a different way of looking at medical device communications that not only addresses zero-day threats but also allows healthcare security teams to enforce protection in a way that has no risk of interfering with clinical operations.

RSAC Sandbox	30 MIN	ALL
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Hello? It's Me, Your Not So Smart Device. We Need to Talk.

SBX1-R2

Alex Balan, Chief Security Researcher, Bitdefender

A quick crash course into hardware hacking, chasing IoT botnets, remotely mass hacking IoTs and live demos at each step.

11:10 AM

Expo Briefing Center North	30 MIN	ALL
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Identity Iceberg Ahead: Machine Identities and Their Need for Protection

BC-R2N

Michael Thelander, Director, Product Marketing Venafi

Machine identities and their authentication—using certificates, digital keys and code signing—are the safety net under our information economy. Learn how to protect them with three key concepts.

11:30 AM

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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ArecaBay Force Field: Continuous API Security Powered by a Network Engine

BC-R5ESE

Lebin Cheng, CEO, ArecaBay Inc.; **Ravi Balupari**, Head of Engineering and Security, ArecaBay Inc.

API data breach is on the rise thanks to advanced threats at payload object level. ArecaBay continuously discover/monitor/secure all API flows (north-south and east-west), with zero Dev/DevOps impact.

RSAC Sandbox	1 HR	ALL
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Bluetooth Reverse Engineering: Tools and Techniques

SBX3-R2

Mike Ryan, Founder, ICE9 Consulting

Learn how to reverse engineer and hack Bluetooth devices using the tools and techniques discussed in this talk. Whether you're a Bluetooth newbie or a pro, you'll learn something.

11:40 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	2 HRS	ALL

SANS Core NetWars Experience

SBX2-R2

Chris Elgee, Builder & Breaker, Counter Hack Challenges

SANS NetWars Experience develops and tests your information security skills in a safe, interactive environment, while having a little fun with your fellow IT security professionals.

12:00 PM

Bridging the Gap: Cybersecurity + Public Interest Tech	50 MIN	FC
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Working in Civil Society

PITC-R07

Sarah Aoun, Digital Security Technologist; **Peter Eckersley**, Partnership on AI; **Harlo Holmes**, Director of Newsroom Digital Security, Freedom of the Press Foundation; **John Scott-Railton**, Senior Researcher, Citizen Lab

Bringing a technological perspective into civil society can transform how organizations do their work. This session will examine how this transformation can happen from a variety of perspectives.

Expo Briefing Center North	30 MIN	ALL
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Managing Effective Security Policies in a Hybrid Enterprise Network

BC-R3N

Reuven Harrison, Chief Technology Officer, Tufin

This session explores some of the new elements of the modern hybrid enterprise including cloud, micro-services and DevOps. The session will offer an approach to managing a hybrid security policy.

Peer2Peer 	50 MIN	FC
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Data Travel Hygiene: Security Vulnerability at Border Crossings

P2P1-R07

Brian Warshawsky, Systemwide Export Control Office, Insider Threat Program Senior Officer, and ITAR Empowered Official, University of California Office of the President

Failure to protect mobile device contents at border crossings exposes organizations and individual travelers to legal action, prosecution and viral scorn. Discussion of the new best practices.

Peer2Peer 	50 MIN	FC
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Where Does Your Budget Go?

P2P2-R07

 **Todd Inskip**, Principal, Cyber Security Strategy, Booz Allen Hamilton

If companies spend 10 percent of the IT budget on security, where should that budget go? How do you optimize spend against the identify/protect/detect/respond/recover framework?

THURSDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

12:00 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

Vehicle-to-Infrastructure Cybersecurity: Securing Transportation's Future P2P3-R07

Christopher Waters, Cyber Solutions Technical Leader, GDIT

Join this P2P session about current and emerging security mechanisms in transportation infrastructure and connected/autonomous vehicle communications. Help build security the right way!

12:30 PM

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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A Modern Approach to CSIRT Using Osquery BC-R6ESE

Milan Shah, Co-Founder & CTO, Uptycs, Inc

Learn how to implement comprehensive IR capability and maximize ROI on open source tooling with a SaaS model that is powered by Uptycs and osquery; the universal endpoint agent released by Facebook.

12:40 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Expo Briefing Center North	30 MIN	ALL

From Endpoint to Any Point: Defending the New Perimeter with Cloud Security BC-R4N

Gill Langston, Senior Product Manager, Avast

Both point products and on-prem appliances have limitations. Learn why SMBs need to break free from costly appliances and develop a cloud security stack that protects users in the office or on the go.

1:00 PM

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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Defense by Reason of Economics BC-R7ESE

Ben Schmidt, CSO, PolySwarm

A lot of cybersecurity solutions focus on driving up the cost for the attacker. We are flipping the equation by making economic incentives constant, accessible, and attractive for good defenders.

ibOSS[®] Secure Cloud Gateway

**Secure user internet access on any device,
from any location, in the cloud**

Shift the focus from defending perimeters to following users for consistent cloud security in the office, at home, and on the road—no appliances required.

Learn More at Booth N 5553

THURSDAY SESSION DETAILS

1:10 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	30 MIN	ALL

Hunt Advanced Attackers on a Budget Less than the GDP of a Small Country SBX4-R3

John Strand, Owner, Black Hills Information Security

Don't have a budget of a Fortune 5 company? This talk is for you. The talk will cover new attack tools and free techniques to detect them. Come for the new "hacks." Stay for the detection techniques!

1:30 PM

Analytics Intelligence & Response	50 MIN	FC
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Purple Team at Scale AIR-R09

Jason O'Dell, Director of Incident Response and Hunt, Walmart

This session will provide examples, lessons learned and practical advice for implementing continuous purple teaming at scale based on experiences at the world's largest retailer.

Application Security & DevSecOps	50 MIN	FC
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Cover Your aaS with DevSecOps ASD-R09

Cindi Carter, Vice President, Chief Security Officer, Mede/Analytic; **Yaron Levi**, CISO, Blue Cross and Blue Shield of Kansas City

Presenters will share their story about making security part of the culture for an organization with 3,500 developers who didn't want to have anything to do with security.

Blockchain & Applied Crypto	50 MIN	FC
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Using High-Entropy Encryption for Enterprise Collaboration BAC-R09

Aaron Turner, CEO, Hotshot Technologies; **Jonathan Warren**, CTO, HighSide

An in-depth discussion of how to use high-entropy elliptic curve cryptography. From how the keys can be created in a distributed way to avoid security problems, revoked to restrict data access.

Bridging the Gap: Cybersecurity + Public Interest Tech	50 MIN	FC
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Government Needs You PITC-R09

Travis Moore, TechCongress; **Hashim Mteuzi**, Senior Manager, Network Talent Initiative, Code for America; **Gigi Sohn**, Distinguished Fellow, Georgetown Law Institute for Technology Law & Policy; **Ashkan Soltani**, Independent Consultant, Soltani LLC

Government needs technologists at all levels. In this session, you'll hear how public interest technologists are having an impact on government.

C-Suite View	50 MIN	FC
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Communicating with the Board CXO-R09

Tim Callahan, SVP of Global Security and Chief Security Officer, Aflac Inc.; **Richard Clarke**, CEO, Good Harbor Security Risk Management

This fireside chat will dig into essential elements (regulatory and best practice) of cyber-program communication, including strong two-way communication between the CISO and the board, and building trust.

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization	50 MIN	FC

Zero-Trust Networking Is Facilitating Cloud Transformation

CSV-R09

Richard Stiennon, Chief Research Analyst, IT-Harvest

The CIO's journey to a cloud-first strategy. The endgame is one where applications are hosted in the cloud and visible only to authorized users. Real-world examples of success provided.

Cryptography	50 MIN	FC
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Block Cipher: Cryptanalysis CRYP-R09

Gembu Ito, Nagoya University; **Baoyu Zhu**, Department of Computer Science and Technology, Tsinghua University

Cryptanalytic attacks on block cipher algorithms will be discussed.

TOPIC 1: MILP-Based Differential Attack on Round-Reduced GIFT

Authors: *Baoyu Zhu; Xiaoyang Dong; Hongbo Yu*

TOPIC 2: Quantum Chosen-Ciphertext Attacks against Feistel Ciphers

Authors: *Gembu Ito; Akinori Hosoyamada; Ryutaroh Matsumoto; Yu Sasaki; Tetsu Iwata*

Governance, Risk & Compliance	50 MIN	FC
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How to Measure Ecosystem Impacts GRC-R09

Jay Jacobs, Data Scientist, Cyentia Institute; **Adam Shostack**, President & Consultant, Shostack & Associates

The deployment of DMARC for email security is a case study of how to measure security. This talk will cover measuring DMARC adoption, what could be measured and couldn't, and lessons for your projects.

Hackers & Threats Advanced	50 MIN	FC
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Reverse Engineering Attribution: The Man Behind the Man Behind the Curtain HTA-R09

John Miller, Deputy Director, Threat Intelligence, FireEye; **Jayce Nichols**, Senior Director of Collection & Research, FireEye

Threat actors can manipulate attribution analysis techniques; this session will talk about the implications.

Human Element	50 MIN	FC
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Awareness at Scale: Creating Risk-Aware Cultures in Big Companies HUM-R09

MODERATOR: **Tom Pendergast**, Chief Learning Officer, MediaPro, Inc.

PANELISTS: **Kemi Okutubo**, Senior Information Security Manager, International Monetary Fund; **Ellen Powers**, Information Security Communication Strategist, Intel Corporation; **Deborah Walter**, Manager, Information Security Training and Awareness, AmerisourceBergen

Scaling a security awareness program to a global employee population in multiple languages requires planning, focus and lots of support. Come learn how it's done.

THURSDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Identity	50 MIN	FC

Blockchain-Based Identity: Exploring the Messy Space between Promise and Reality IDY-R09

MODERATOR: Joni Brennan, President, DIACC

PANELISTS: Anil John, Technical Director, DHS S&T Silicon Valley Innovation Program, Department of Homeland Security, Science & Technology; **Rene McIver**, Chief Security Officer, SecureKey Technologies Inc.; **Adam Migus**, Principal, The Migus Group, LLC; **Zhijun Zhang**, Lead Security Architect, The World Bank Group

This panel will explore business, legal and technical issues around blockchain-based identity that sit in the messy space and its current realistic ability to solve real-world challenges.

Learning Labs 	3 HRS	FC
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Blockchain, Cryptocurrency, Smart Contracts and Initial Coin Offerings: A Technical Perspective LAB3-R09

Arijit Das, Research Associate, Naval Postgraduate School; **Tom Plunkett**, Consulting Solutions Director, Oracle; **Captain Brandan R. Schofield**, Logistics Officer, United States Marine Corps; **Captain Brittany E. Snelgrove**, Logistics Officer, United States Marine Corps

This interactive lab includes examples and best practices for blockchain, cryptocurrency, smart contracts and initial coin offerings.

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 MIN	FC

Engineering Out the Cyber-Risk to Protect What Matters Most MBS-R09

Andrew Bochman, Grid Security Strategist, Idaho National Laboratories; **Virginia Wright**, Energy-Cyber Portfolio Manager, Idaho National Laboratory

To help owners of the nation's most critical systems, this talk will introduce a new approach, drawn from engineering first principals, to take the highest value targets off the table.

Peer2Peer 	50 MIN	FC
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Show Me Your Security Posture ... or Else! P2P1-R09

Tammy Green, Sr. Principal Security Architect, Symantec

When should vendors be obliged to provide customers detailed information about the security stance of the products? What evidence is reasonable to provide and yet still useful to the customer?

Peer2Peer 	50 MIN	FC
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Healthcare Cybersecurity: Helping Secure Emerging Health Technologies P2P2-R09

Sue Wang, Cybersecurity Engineer, NIST; Technical Lead, MITRE Corporation

A discussion of security vulnerabilities in the healthcare industries and how to ensure cybersecurity is baked into new healthcare products and services.

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THURSDAY SESSION DETAILS

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer 	50 MIN	FC

High Speed, Low Drag: How Intelligence Teams Leverage Deep/Dark Web Data P2P3-R09

Lance Cottrell, Chief Scientist, Ntrepid Corporation

If you find yourself in a fair fight, you didn't plan your mission properly. How can law organizations execute meaningful OSINT to combat real-world challenges? Join the conversation.

Professional Development	50 MIN	FC
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How to Create a Truly Diverse Cyber-Workforce PROF-R09

MODERATOR: **Shelley Westman**, Principal, EY

PANELISTS: **Jordan Jacobson**, Student, Cal Poly Pomona; **Dan Manson**, Professor of Computer Information Systems, California State Polytechnic University; **Mat Newfield**, CISO, Unisys

A varied and unique panel consisting of a CISO, legal expert, educator and student will focus on how to build a diverse and varied workforce in cybersecurity and why this matters in the real world.

Protecting Data & the Supply Chain Ecosystem	50 MIN	FC
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The Power of Ecosystems: A Look under the Supply-Chain Covers PDAC-R09

Jennifer Bisceglie, CEO, Interos Solutions, Inc.; **Mark Weatherford**, Global Information Security Strategist, Booking Holdings

This session will visually explore the ecosystems of three nation-state supply chains from the headlines to demonstrate why end-to-end transparency of business ecosystems is critical.

Protecting Data & the Supply Chain Ecosystem 	50 MIN	FC
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When the One You Trust Hurts You Most: Real-World Attack, Real-Time Response PDAC-T07R

Bret Hartman, VP and CTO, Security Business Group, Cisco Systems; **Jyoti Verma**, Technical Leader, Cisco Systems

Experience a real-time, real-world supply chain attack fueled by rapid internal lateral movement. Watch as split-second, critical decisions are made to stop one of today's most challenging attacks.

RSAC Early Stage Expo Briefing Center	20 MIN	ALL
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Proactively Managing OSS Security Risks in Corporate IT Environment BC-R8ESE

Tae-Jin (TJ) Kang, Co-Founder & CEO, Insignary

In this session, we discuss the challenges related to securing the corporate IT environment in constant flux and a way to proactively manage open source software (OSS) security risks.

1:30 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Mashup	50 MIN	FC

Investigative Journalists Speak Out Year V MASH-R09

MODERATOR: **Dan Hubbard**, Chief Product Officer, Lacework Inc.

PANELISTS: **Joseph Menn**, Investigative Journalist, Reuters; **Nicole Perloth**, Cybersecurity Journalist, New York Times; **Kevin Poulsen**, Contributing Editor, Wired Magazine and Daily Beast

One would think that after five consecutive years we would have nothing left to discuss, but that can't be further from the truth.

Security Strategy & Architecture	50 MIN	FC
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Getting Product Cybersecurity Right in a Large Mature Corporation STR-R09

Matthew Bohne, Vice President, Chief Product Security Officer, Honeywell

Lessons learned on what it takes to secure consumer and B2B products in a large multinational corporation. This talk will give practical techniques on how to evolve the company and gain support.

Security Strategy & Architecture	50 MIN	FC
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Making Security a Best Practice in Every Aspect of Open Source STR1-R09

Valecia Maclin, General Manager, Customer Security & Trust Engineering, Microsoft

Microsoft has grown its use of open source significantly over the past decade. This session will share lessons learned and ways the community is collaborating to help improve security practices.

Sponsor Special Topics	50 MIN	ALL
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Cyber-Risk Management: New Approaches for Reducing Your Cyber-Exposure SPO2-R09

Kevin Flynn, Sr. Product Marketing Mgr., Tenable

This session will describe new ways to objectively measure cyber-risk to help guide strategic decision-making, thus allowing organizations to effectively prioritize and benchmark risk management efforts.

Sponsor Special Topics	50 MIN	ALL
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The Future Is Hybrid: Key Considerations for Cloud and DevOps SPO3-R09

Lamar Bailey, Director, Security Research and Development, Tripwire

This session will explore the key considerations for expanding security operations to the cloud—from managing risk, to building trust across hybrid, physical, virtual, public/private cloud environments.

Technology Infrastructure & Operations	50 MIN	FC
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Schrodinger's Pentest: Scoping Entanglement TECH-R09

Laurent Desaulniers, Intrusion Testing Detector, GoSecure

Obtain better value in pentesting, by asking the hard questions and by learning to differentiate between buzzword-compliance and actual security testing.

THURSDAY SESSION DETAILS

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1:40 PM

TRACK / TOPIC

SESSION LENGTH BADGE ACCESS

RSAC Sandbox

30 MIN

ALL

Internal Affairs: Building Incident Command Frameworks through Diplomacy SBX4-R4

Dana-Megan Rossi, Assoc. Director, Product Security Policy, Strategy & Incident Response, Becton, Dickinson and Company

This discussion will identify key strategies and techniques for building a command structure that facilitates decision making and tactical execution.

2:00 PM

Learning Labs △

2 HRS

FC

Fine-Tuning Your Cyber-Defense Technologies with the ATT&CK Framework LAB1-R10

Lane Thames, Senior Security Researcher, Tripwire

Learn how to fine-tune your cybersecurity technology stacks such as deception and preemptive controls using MITRE's Adversarial Tactics, Techniques and Common Knowledge (ATT&CK) Framework.

2:00 PM, CONTINUED

TRACK

SESSION LENGTH BADGE ACCESS

Learning Labs △

2 HRS

FC

Let's Make Risk a Game! 4,000 Cyber-Risks in Your Hand LAB2-R10

Joel Benge, Strategist, ADG Creative; Earl Crane, Founder and Chairman, Emerynt

Join us as we unleash a terrible "what-if?" machine and explore 4,000 potential cyber-loss scenarios—in the form of a physical model. Come early and to get a free deck to model your own cyber-risks.

Learning Labs △

2 HRS

FC

Everything You Need to Know about Cybersecurity and Privacy Law in Two Hours! LAB4-R10

Christopher Pierson, Founder & CEO, BLACKCLOAK; James Shreve, Partner and Chair of the Cybersecurity Practice, Thompson Coburn LLP

Understanding the most important cybersecurity and privacy laws is key to your job and success. Join us for a tour of these laws, some issue-spotting exercises and lots of fun in this learning lab.

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THURSDAY SESSION DETAILS

2:20 PM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	30 MIN	ALL

Internet of Laws: Navigating the IoT Legal Landscape SBX1-R3

Dr. Amit Elazari Bar On, Director, Global Cybersecurity Policy, Intel Corporation, and Lecturer, UC Berkeley School of Information (MICS)

This talk will give IoT practitioners and security researchers a quick intro to the variety of legal and regulatory concepts that govern IoT landscape focusing on recent trends and potential pitfalls.

2:50 PM

Analytics Intelligence & Response	50 MIN	FC
Incident Response beyond Enterprise IT AIR-R11		🔧

Jason Escaravage, Senior Vice President, Booz Allen Hamilton; **Phillip Hamill**, Principal – OT Delivery Lead, Booz Allen Hamilton

Enterprises need to be ready to handle incidents in new domain areas—cloud, OT, mobile, etc. This session will speak to the challenges of building out effective IR readiness across evolving domains.

Application Security & DevSecOps	50 MIN	FC
API Security—Assume Possible Interference AST-R11		

Julie Tsai, Infosec Leader

What happens when the unexpected happens? Design for security and be able to diagnose and pivot quickly to adjust to real threats.

Blockchain & Applied Crypto	50 MIN	FC
How Bad Incentives Led to Crypto-Mining Malware, and What to Do about It BAC-R11		

Sandy Carielli, Director of Security Technologies, Entrust Datacard

Consider systems principles about incentives, trace the rise of crypto-mining malware to early incentive design for public blockchain and consider the pros and cons of alternative incentive models.

Bridging the Gap: Cybersecurity + Public Interest Tech	50 MIN	FC
Changing Academia PITC-R11		

Latanya Sweeney, Harvard; **Danny Weitzner**, MIT CSAIL

Higher education needs to incorporate a public interest perspective in technology departments. This session will look at some efforts to build these sorts of interdisciplinary classes, programs and institutes.

C-Suite View	50 MIN	FC
The Fine Art of Creating a Transformational Cybersecurity Strategy CXO-R11		🔧

Jinan Budge, Principal Analyst, Forrester Research; **Andrew Rose**, Chief Security Officer, Vocalink, a Mastercard Company

It's time to rise and transform your security capability. Join this session to learn how to successfully kick off, create, build and deliver a strong security transformation and strategy.

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization	50 MIN	FC

The Advantage of Ignoring the Long Tail of Security: A Product View CSV-R11

James DeLuccia, Cybersecurity Cloud B2C & B2B, New Products, Honeywell

Practical product engineering cybersecurity focus that tackles the most critical to ensure a delightful customer experience, based on hundreds of deployed cloud products in B2B and B2C environment.

Cryptography	50 MIN	FC
Block Cipher: Design and Evaluation CRYP-R11		🔧

Si Gao, University of Bristol; **Kai Hu**, Key Lab of Cryptologic Technology & Information Security, Ministry of Education, Shandong University

Design and evaluation of block cipher algorithms will be discussed.

TOPIC 1: Automatic Search for a Variant of Division Property Using Three Subsets

Authors: Kai Hu; Meiqin Wang

TOPIC 2: Constructing TI-friendly Substitution Boxes Using Shift-Invariant Permutations

Authors: Si Gao; Arnab Roy; Elisabeth Oswald

Governance, Risk & Compliance	50 MIN	FC
Math Is Hard: Compliance to Continuous Risk Management GRC-R11		

Max Blumenthal, Senior Cyber Assurance Architect, Sandia National Laboratories; **Christie Gross**, Cybersecurity Solutions Engineer Lead, Delta Dental of California

Participants will learn how to transition from a compliance mindset to a holistic and quantitative risk management approach that integrates assessment, monitoring and risk-analysis activities.

Governance, Risk & Compliance 2x	50 MIN	FC
GDPR: How to Work Out If Your Security Is "Appropriate" GRC-W03R		

John Elliott, Data Protection Specialist

🔧 **John Elliott**, Data Protection Specialist

GDPR requires organizations to implement "appropriate technical and organizational measures" to protect personal data. This session will help you to determine what's appropriate for your organization.

Hackers & Threats	50 MIN	FC
Hunt Advanced Attackers on a Budget Less than the GDP of a Small Country HT-R11		

John Strand, Owner, Black Hills Information Security

John Strand, Owner, Black Hills Information Security

Don't have a budget of a Fortune 5 company? This talk is for you. The session will cover new attack tools and free techniques to detect them. Come for the new "hacks." Stay for the detection techniques!

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2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats Advanced	50 MIN	FC

Outsmarting Smart Contracts HTA-R11

Adi Ashkenazy, VP Product, XM Cyber; **Shahar Zini**, System Architect, XM Cyber

Smart contracts are essentially immutable, open-source blocks of code with the innate capability to transfer value. Presenters will examine past failures and the likely future of smart-contract security.

Human Element	50 MIN	FC
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Automation vs. Human Eyes: Optimizing Human Intuition for Success HUM-R11

Tonia Dudley, Security Solutions Advisor, Cofense

Your highly-skilled SOC analysts need to know what to do—not them burn out quickly spending most of their day with eyes on glass. In this session, we'll look at how to balance human skill & automation.

Identity	50 MIN	FC
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Adversarial Machine Learning against Modern Behavioral Biometrics Systems IDY-R11

Ajit Gaddam, Senior Director, Security Architecture Engineering, Visa Inc.; **Heng Tang**, Staff Software Security Engineer, Visa Inc.

As behavioral biometrics-based authentication gains wide adoption, attackers are utilizing adversarial machine learning to subvert them. This talk will showcase novel attacks and defensive countermeasures.

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 MIN	FC

Why Industrial IoT Security Is Really about Saving Lives MBS-R11

MODERATOR: Emily Miller, Director, National Security & Critical Infrastructure Programs, Mocana

PANELISTS: Galina Antova, Co-Founder, Claroty; **John Felker**, Director, National Cybersecurity & Communications Integration Center (NCCIC), CS&C, Department of Homeland Security; **Lorie Wigle**, Vice President, Software & Services Group, Intel Corporation

Industrial control systems cannot tolerate downtime, or risk human safety in any way. A compromised system can result in millions of dollars lost—but even more devastatingly—the loss of life.

Peer2Peer 	50 MIN	FC
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24 hours, 240 Million Threat Events P2P1-R11

Timothy Brown, Vice President, Security, SolarWinds

This discussion will draw on insourced and outsourced IT experience to understand how to break down barriers, bridge gaps, overcome objections and leverage the right strategies for SOC success.



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beyondtrust.com

THURSDAY SESSION DETAILS

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer △	50 MIN	FC

Cyber-Innovation: How Do We Stimulate Innovation in the US, Europe and Asia P2P2-R11

Grace Cassy, Co-Founder, CyLon

An in-depth look at early-stage cyber-markets. Compare and contrast developments, challenges and investment landscapes in US, Europe and Asia, and discuss how to stimulate cyber-innovation globally.

TRACK	SESSION LENGTH	BADGE ACCESS
Peer2Peer △	50 MIN	FC

Best Practices for Youth Outreach and Education in Cybersecurity P2P3-R11

Heather Ricciuto, Global Leader – Academic Outreach Programs, IBM Security

This session will share industry best practices for youth outreach and education in cybersecurity. The discussion may expand to broader community outreach on cybersecurity.

TRACK	SESSION LENGTH	BADGE ACCESS
Policy & Government	50 MIN	FC

Measuring Cybersecurity Effectiveness in a Threat-Based World PNG-R11

MODERATOR: Jeanette Manfra, Assistant Secretary, Office of Cybersecurity and Communications (CS&C), Department of Homeland Security
PANELISTS: Marianne Bailey, Deputy National Manager (DNM) for National Security Systems (NSS) and Senior Cybersecurity Executive, National Security Agency; **Kevin Cox**, Program Manager, Cybersecurity and Infrastructure Security Agency; **Matthew Scholl**, Chief, Computer Security Division, NIST

The panel will explore using threat data to help agencies protect information and detect and respond quickly to adversarial actions. They will also examine federal efforts to create better threat models.

TRACK	SESSION LENGTH	BADGE ACCESS
Professional Development 2x	50 MIN	FC

Empowering International Security Teams PROF-R11

Caroline Wong, Chief Security Strategist, Cobalt.io

Language barriers, cultural differences and inconvenient time zones can interfere with even the most capable of security teams. Learn how to effectively empower international teams.

TRACK	SESSION LENGTH	BADGE ACCESS
Protecting Data & the Supply Chain Ecosystem	50 MIN	FC

How Understanding Risk Is Changing for Open Source Components PDAC-R11

Chris Wysopal, CTO, Veracode

The presenter will discuss solutions for how to keep up with open source vulnerabilities.

TRACK	SESSION LENGTH	BADGE ACCESS
RSAC Sandbox	30 MIN	ALL

U-Boot, I-Hack SBX1-R4

Andrew Bindner, Manager, Penetration Testing, Rapid7; **Carlota Bindner**, Security Associate, Rapid7

Identify potential vulnerabilities and intellectual property loss when U-Boot is incorrectly configured on embedded devices. Live demos of attacker techniques for bypassing U-Boot security.

2:50 PM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Mashup	50 MIN	FC

Election Hacking: Trading Malware for Votes MASH-R11

📍 Kenneth Geers, Chief Research Scientist, Comodo

Politicians and hackers use malware to steal votes and influence elections. This research correlates two years of national elections and in-country malware detections.

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	50 MIN	FC

Lessons from Applying MITRE ATT&CK in the Wild STR-R11

MODERATOR: Richard Struse, Chief Strategist, Cyber Threat Intelligence, MITRE Corporation

PANELISTS: Jessica Payne, Security Person, Microsoft; **Rachael Schweizer**, Cybersecurity Analytics Lead, Pfizer; **David Westgard**, Lead Engineer, Cyber Security, Target

Hear from experts that use MITRE's ATT&CK knowledge base discussing what works, what doesn't and how to achieve measurable improvements in your security posture through the use of adversary knowledge.

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 MIN	ALL

Cybersecurity Is All About Protecting the "Seams" SPO1-R11

MODERATOR: Javvad Malik, Security Evangelist, AT&T Business
PANELISTS: Jaime Blasco, VP & Chief Scientist, Alien Labs, AT&T Business; **Fredrick Lee**, Former CISO, Square; **Russell Spitler**, AVP, Product, AT&T Cybersecurity; **Bindu Sundaresan**, Principal Architect, AT&T Business

Cybercrime is all about exploiting the "seams" in organizations' networks. Fighting this requires a collaborative and coordinated approach with people, process and technology working together.

TRACK	SESSION LENGTH	BADGE ACCESS
Sponsor Special Topics	50 MIN	ALL

Protecting You Better with Advanced Malware Research SPO3-R11

Juraj Janosik, Senior Software Engineer, ESET; **Robert Lipovsky**, Senior Malware Researcher, ESET

Advanced, award-winning malware research directly translates into better detection and protection technology.

TRACK	SESSION LENGTH	BADGE ACCESS
Technology Infrastructure & Operations	50 MIN	FC

What Every Security Professional Needs to Know About WiFi 6 TECH-R11

📍 Avril Salter, Wireless Strategic Technologist and Architect, Salter & Associates

The next generation of WiFi products (WiFi 6) are here. This session will describe the key technical differences between Wi-Fi 6 and existing WiFi networks, and discuss the implication to network security.

THURSDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

4:10 PM

TRACK / TOPIC

SESSION LENGTH BADGE ACCESS

Bridging the Gap: Cybersecurity + Public Interest Tech

50 MIN

FC

The Future of Public Interest Tech PITC-R14

MODERATOR: *Jenny Toomey, Director, Internet Freedom, Ford Foundation*

PANELISTS: *Bruce Schneier, Fellow and Lecturer, Harvard Kennedy School; Ben Wizner, ACLU*

This closing session will sum up the day and discuss future directions for growing the field, funding trajectories, outstanding needs and gaps, and how you can get involved.

Peer2Peer Δ

50 MIN

FC

How Are You Monitoring SCADA? P2P1-R14

Gib Sorebo, Security Consulting Senior Manager, Accenture

This session will draw on the experience of participants to understand what ICS detection technologies they're exploring, what works, and what technologies and techniques need more improvement.

4:10 PM, CONTINUED

TRACK

SESSION LENGTH BADGE ACCESS

Peer2Peer Δ

50 MIN

FC

What Will It Take to Eliminate Passwords for Authentication?

P2P2-R14

Kim Wagner, Senior Director, Identity and Risk Products, Visa

Passwords are insecure—often too simple, forgotten or easily stolen. Biometrics offers stronger authentication but will it ever replace passwords to become the de facto approach? What would it take?

Peer2Peer Δ

50 MIN

FC

Cloud Access Security Broker Best Practices P2P3-R14

Joshua Atencio, Senior Information Security Engineer, Aetna

This session will spark a discussion around best practices and methodology when deploying and fully utilizing the investment of a CASB to reduce the risk within a company's environment.



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FRIDAY EVENTS & ACTIVITIES

7:30 AM – 8:30 AM CONTINENTAL BREAKFAST*

Various Locations Full Conference Pass holders, head directly to your chosen morning session. Breakfast is available in Moscone West Levels 2 & 3 and Moscone South Levels 2 & 3.

8:00 AM – 1:00 PM BROADCAST ALLEY

Moscone West Street Level Watch top security publications shoot live and record exclusive interviews.

KEYNOTES

Keynote abstracts can be found on page 36.

8:30 AM – 9:20 AM In the Wake of an Attack: Thoughts from a Seasoned CISO

South Esplanade **Bob Lord**, Chief Security Officer, DNC; **Dr. Hugh Thompson**, RSA Conference Program Chair, RSA Conference

9:50 AM – 10:40 AM (Girl) Scouting for Talent: The Solution in the Next Generation

South Esplanade **Sylvia Acevedo**, Chief Executive Officer, Girl Scouts of the USA

11:10 AM – 12:00 PM Engineering Trust and Security in the Cloud Era, Based on Early Lessons

South Esplanade **Quentin Hardy**, Head of Editorial, Google Cloud; **Suzanne Frey**, Vice President, Engineering, Google Cloud; **Amin Vadhat**, Google Fellow and Networking Technical Lead, Google

8:30 AM – 12:00 PM TRACK SESSIONS*

Locations Vary See detailed information on following pages for descriptions.

9:30 AM – 11:30 AM JOB SEARCH 2019: INTERVIEW SKILLS & RESUME REVIEW WORKSHOP*

Moscone West 3022 This workshop has two components—the first explores how to best present your skills and self to potential companies and the second is a resume review workshop.

12:30 PM – 1:15 PM CONFERENCE CLOSING

Moscone West Street Level **Tina Fey**, Writer, Actress, and Producer; **Dr. Hugh Thompson**, RSA Conference Program Chair, RSA Conference

 = Top-rated speaker.

* Open to Full Conference Registrants only.

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Trustwave Booth N 5565 in the North Expo

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8:30 AM

TRACK / TOPIC	SESSION LENGTH	BADGE ACCESS
Analytics Intelligence & Response	50 MIN	FC

Use Model to Deconstruct Threats: Detect Intrusion by Statistical Learning AIR-F01

Tao Zhou, Senior Staff Algorithm Engineer, Alibaba

This talk will describe how to identify unknown threats using statistical learning in large scale enterprise networks, and some tricks in performing pre-filter data and conducting post-correlate alarms.

Application Security & DevSecOps	50 MIN	FC
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Threat Modeling in 2019 ASD-F01

Adam Shostack, President & Consultant, Shostack & Associates

Attacks always get better, so your threat modeling needs to evolve. Learn what's new and important in threat modeling in 2019. Take home ways to ensure your security engineering is up to date.

Blockchain & Applied Crypto	50 MIN	FC
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Key Management and Protection: Evaluation of Hardware, Tokens, TEEs and MPC BAC-F01

Nigel Smart, Professor, KU Leuven

A review of the varied cryptographic key management and protection technologies available today, including emerging solutions designed to enhance security and usability in a dispersed environment.

C-Suite View	50 MIN	FC
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A New Employer-Driven Model of Cyber-Workforce Development For Dell CXO-F01

Simone Petrella, Chief Cyberstrategy Officer, CyberVista; John Scimone, Chief Security Officer, Dell Technologies

Review a case study where job role and skills assessments were applied to Dell's core cyber-staff resulting in a more usable version of the NCWF along with a more effective workforce development path.

Cloud Security & Virtualization	50 MIN	FC
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Securely Deploying Micro Services, Containers & Serverless PaaS Web Apps CSV-F01

Murray Goldschmidt, Chief Operating Officer, Sense of Security Pty Ltd

This presentation will address all the relevant information about the default security postures achieved by using public cloud and also the gotchas! Avoiding vendor defaults will render better outcomes.

Cryptography	50 MIN	FC
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Multiparty Computation and Application CRYP-F01

Niek J. Bouman, Technische Universiteit Eindhoven, the Netherlands; Eleftheria Makri, imec-COSIC, KU Leuven, Belgium

Multiparty computation and its real-world applications will be discussed.

TOPIC 1: Fast Secure Comparison for Medium-Sized Integers and Its Application in Binarized Neural Networks

Authors: Mark Abspoel; Niek J. Bouman; Berry Schoenmakers; Niels de Vreede

TOPIC 2: EPIC: Efficient Private Image Classification (or: Learning from the Masters)

Authors: Eleftheria Makri; Dragos Rotaru; Nigel P. Smart; Frederik Vercauteren

8:30 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Governance, Risk & Compliance	50 MIN	FC

Do You Know Your Organization's Top 10 Security Risks? GRC-F01

Min-Hwei Liu, Director, Information Security, Aetna

Maintaining focus in a changing threat landscape—Top 10 Security Risks: steps to top 10 security risks; key success factors and metrics; steps to kick off this program in your organization.

Hackers & Threats	50 MIN	FC
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Phantom Menace, Episode I? The Attack that Undressed the Mexican Banks in '18 HT-F01

Josu Izoa, Information Security Advisor, Scotiabank

An inside look into the 2018 SPEI (Interbanking Payment System in Mexico) attack, to not repeat history again.

Hackers & Threats Advanced	50 MIN	FC
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The New Gold Rush: How to Hack Your Own Best Mining Rig HTA-F01

Roy Katmor, CEO and Co-Founder, enSilo; Udi Yavo, CTO and Co-Founder, enSilo

This talk will explain building a stealthy, decentralized platform mining rig with publicly available tools, and how techniques used by ransomware are now used for crypto-mining and how to protect against them.

Human Element	50 MIN	FC
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Designing Effective Security UX: If It's Not Usable, It's Not Secure HUM-F01

Ranjeet Kumar Tayi, User Experience Design Leader (Data Security Group), Informatica

UX design plays a critical role in empowering people to protect their privacy by controlling their data. A human-centered design thinking approach to security can make products usable and secured.

Identity	50 MIN	FC
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4G to 5G Evolution: In-Depth Security Perspective IDY-F01

Anand Prasad, Chief Security Architect, Rakuten Mobile Networks

We will present 4G security and issues followed by 5G security and security challenges from virtualization in 5G networks. We will conclude with a summary of 5G security enhancements expected in near future.

Mobile & IoT Security	50 MIN	FC
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Procuring IoT: Purchasing Guidance for Government Officials MBS-F01

Daniel Kroese, Associate Director, National Risk Management Center Cybersecurity and Infrastructure Security Agency, Department of Homeland Security

Join the Department of Homeland Security for a briefing on IoT purchasing guidance, co-created by the tech industry to help the government make risk-informed decisions and drive demand for secure IoT.

FRIDAY SESSION DETAILS

8:30 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security ^{2x}	50 MIN	FC

Anatomy of an Enterprise Mobile Security Incident MBS-W10R

 **Aaron Turner**, CEO, Hotshot Technologies

Based on a real-world situation, learn how mobile vulnerabilities have been used by attackers to gain access to sensitive enterprise information and credentials, including defeating soft tokens.

Policy & Government	50 MIN	FC
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A Separate Network for Critical Infrastructure: Is It a Good Idea? PNG-F01

MODERATOR: **Robert Knake**, Senior Research Scientist, Northeastern University
PANELISTS: **Sharla Artz**, Vice President, Government Affairs, Policy & Cybersecurity, UTC; **Peter Fuhr**, Distinguished Scientist, Director, Grid Security, Tech Director UAS Research Center, Oak Ridge National Laboratory; **Samara Moore**, Director, Cybersecurity, Exelon

Do utilities need a separate Internet? The National Infrastructure Advisory Council thinks so but is it practical? Come hear three practitioners debate the outcome of a yearlong study on the concept.

Professional Development	50 MIN	FC
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Five Secrets to Attract and Retain Top Tech Talent in Your Future Workplace PROF-F01

Laurie Battaglia, CEO & Workplace Strategist, Aligned at Work

Are your top people leaving you and your organization? You the leader make the difference. Learn proven ways to attract and retain your top talent and keep them engaged at work.

Protecting Data & the Supply Chain Ecosystem	50 MIN	FC
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Infecting the Embedded Supply Chain PDAC-F01

Zach Miller, Software Engineer, in8 Solutions

IoT devices are becoming more common and with that comes a litany of new development tools needed for these devices. Learn how these development tools can compromise your network.

Security Mashup	50 MIN	FC
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Saving Lives Using Social Networks MASH-F01

Maria Namestnikova, Web Analyst, Internet Child Safety Expert, Kaspersky Lab

What does your child do on social networks? Do they hide or block their account from you? Does your child interact with strangers and share personal information with them but not with you?

Security Strategy & Architecture	50 MIN	FC
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STIR SHAKE'N SIP to Stop Robocalling STR-F01

Daksha Bhasker, Senior Security Architect, Comcast

Thwart phone scam robocalls with secure architecture implementation of the STIR/Shaken (Secure Telephony Identity Revisited/Signature-based handling of Asserted Information using tokens) framework.

8:30 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Technology Infrastructure & Operations	50 MIN	FC

SOC Automation, Enterprise Blueprinting and Hunting Using Open-Source Tools TECH-F01

Brian Baskin, Senior Threat Researcher, Carbon Black; **John Holowczak**, Senior Threat Analyst, Carbon Black

With SOC visibility, moving beyond the interface and delving into the unknown aspects of a network is important. Discover ways to blueprint your network using readily available and native tools.

9:50 AM

Analytics Intelligence & Response	50 MIN	FC
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Vulnerabilities: What Is the Future AIR-F02

Roberta Stempfley, Director, CMU – SEI – CERT

Artificial intelligence is creating a world with new threats and new attack surfaces. These issues will be explored in a lively back-and-forth between two experts.

Application Security & DevSecOps	50 MIN	FC
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DevSecOps for the Rest of Us! ASD-F02

Sara Perrott, Sr. Information Security Technology Engineer, BECU

Traditional DevSecOps is very developer centric, but it doesn't have to be. Take your security ninja skills to the next level with automation!

Blockchain & Applied Crypto	50 MIN	FC
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Nation-State Exploitation of Cryptocurrencies BAC-F02

Yaya Fanusie, Senior Fellow, Foundation for Defense of Democracies; **Tom Robinson**, Chief Data Officer & Co-Founder, Elliptic

Learn how cryptocurrencies are enabling nation-states to conduct espionage, evade sanctions, raise funds and engage in cyberwarfare.

C-Suite View	50 MIN	FC
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Developing Key Performance Indicators for Security CXO-F02

James Tarala, Principal Consultant, Enclave Security, LLC

Learn practical steps to creating meaningful key performance indicators that can be easily communicated to leadership.

Cloud Security & Virtualization	50 MIN	FC
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Democratizing Cloud Security: Journey to Secure the Public Cloud CSV-F02

Yunchao Liu, Sr Software Engineer, Symantec; **Hardeep Singh**, Senior Principal Security Engineer, Symantec

This session will take you through the presenters' journey of securing their AWS cloud environment and the workloads being migrated there.

FRIDAY SESSION DETAILS

BADGE ACCESS: **FC** = Open to Full Conference Registrants only • **ALL** = Open to all attendees

9:50 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Cryptography	50 MIN	FC

Secure Computation CRYP-F02

Lucas Schabhüser, Researcher, Technische Universität Darmstadt; **Liang Zhao**, Sichuan University, China

Topics on secure computation will be discussed.

TOPIC 1: Context Hiding Multikey Linearly Homomorphic Authenticators
Authors: Lucas Schabhüser; Denis Butin; Johannes Buchmann

TOPIC 2: Revisiting the Secret Hiding Assumption Used in Verifiable (Outsourced) Computation
Authors: Liang Zhao

Governance, Risk & Compliance	50 MIN	FC
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What Does Cyber-Insurance Really Bring to the Table and...Are You Covered? GRC-F02

MODERATOR: Kara Owens, Managing Director, Markel Corporation
PANELISTS: Sarah Knight, Senior Counsel, Privacy, Cybersecurity, and Information Governance, Gilead Sciences; Stuart Panensky, Partner, FisherBroyles, LLP

Attendees of this session will gain a clear perspective of what benefits cyber-insurance can provide to their existing cybersecurity program.

Hackers & Threats	50 MIN	FC
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Advanced Smart Contract Hacking HT-F02

Konstantinos Karagiannis, CTO, Security Consulting, BT Americas

If hacking Ethereum blockchain code is your passion, it's time to take your skills to the next level. Learn bleeding-edge exploits, and the killer skill of writing contracts to hack contracts.

Hackers & Threats Advanced	50 MIN	FC
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Blackbox Interpretability: Next Frontier in Adversarial ML Evasion HTA-F02

Greg Ellison, Data Scientist, Microsoft; **Holly Stewart**, Principal Research Manager, Microsoft

The emerging field of blackbox interpretability promises deeper understanding of machine learning decisions, but it can also help hackers defeat your defenses. Learn how to use it for your benefit.

Human Element	50 MIN	FC
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Why Data-Driven Personalized Journeys Are the Future of Security Training HUM-F02

Aika Sengirbay, Sr. Information Security Program Lead, Autodesk; **Masha Sedova**, Co-Founder, Elevate Security

Learn how Autodesk rethought security awareness training and leveraged behavioral data to create personal security journeys for each employee and unlocked behavior change companywide.

Identity	50 MIN	FC
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12 Ways to Hack 2FA IDY-F02

Roger Grimes, Data-Driven Defense Evangelist, KnowBe4

All auth solutions can be hacked. Come learn at least 12 ways 2FA can be hacked, how 2FA works behind the scenes, what the holes are, how to hack it and how you can defend against those attacks.

9:50 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 MIN	FC

Aviation Cybersecurity: Keeping the Wings On MBS-F02

Peter Cooper, Director, Pavisade; **Nathalie Feyt**, Chief Product Security Officer, Thales Avionics – AVS France

Digitization in the aviation industry has produced a critical attack surface. This presentation will explore the global efforts to tackle the cybersecurity/safety challenge faced by the aviation industry.

Policy & Government	50 MIN	FC
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Behind the Headlines: A Public-Private Discourse on Cyber-Defense PNG-F02

MODERATOR: Theresa Payton, CEO and Founder, Fortalice Solutions
PANELISTS: Curtis Dukes, Executive Vice President & General Manager, Security Best Practices and Automation Group, Center for Internet Security; John Felker, Director, National Cybersecurity & Communications Integration Center (NCCIC), CS&C, Department of Homeland Security; Neal Ziring, Technical Director for the National Security Agency's Capabilities Directorate, National Security Agency (NSA)

This panel will offer unpublished, coveted cyber-trends intelligence from key cyber-thinkers to help practitioners navigate crowded cyber-defense data points and take more proactive defensive action.

Professional Development	50 MIN	FC
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Why the Role of CISO Sucks and What We Should Do to Fix It! PROF-F02

PROF-F02

Gary Hayslip, Vice President, CISO, WEBROOT; **Rick McElroy**, Head of Security Strategy, Carbon Black

The role of CISO is an ever-slogging fight that grinds security executives with high stress and career risk. Let's talk about some ideas on how to help our peers thrive in this role.

Professional Development 	50 MIN	FC
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Empowering International Security Teams PROF-R11R

Caroline Wong, Chief Security Strategist, Cobalt.io

Language barriers, cultural differences and inconvenient time zones can interfere with even the most capable of security teams. Learn how to effectively empower international teams.

Protecting Data & the Supply Chain Ecosystem	50 MIN	FC
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Blockchain Augmentation of the Trusted Supply Chain PDAC-F02

Eduardo Cabre, Product Development Engineering Manager, Intel Corporation; **Tom Dodson**, Supply Chain Security Architect, Intel Corporation

Last year, we presented a Trusted Supply Chain to assure end users of the provenance and integrity of a platform. We return with an alternative blockchain implementation of the Trusted Supply Chain.

Security Mashup	50 MIN	FC
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Top 10 Security Disasters in ML: How Laurel and Yanny Replaced Alice and Bob MASH-F02

Davi Ottenheimer, Product Security, MongoDB

If you thought confidentiality breaches were a crisis, are you ready to detect and prevent integrity failures at machine speed?

FRIDAY SESSION DETAILS

9:50 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Strategy & Architecture	50 MIN	FC

Introduction to Defending the Enterprise Using Automated SecOps STR-F02

Tomasz Bania, Cyber Defense Manager, Dolby

This session will provide real-world insight on implementing automated security operations, for choosing a strategy, establishing a scope, planning the rollout and real-world examples.

TRACK	SESSION LENGTH	BADGE ACCESS
Technology Infrastructure & Operations	50 MIN	FC

Intelligence-Driven Industrial Security with Case Studies in ICS Attacks TECH-F02

Robert Lee, CEO, Dragos, Inc.

This talk will explore first-hand knowledge into industrial control system (ICS) cyberattacks and the lessons learned to drive the industry forward in the coming years.

11:10 AM

TRACK	SESSION LENGTH	BADGE ACCESS
Analytics Intelligence & Response	50 MIN	FC

Law Enforcement: The Secret Weapon in the CISO's Toolkit AIR-F03

John Fokker, Head of Cyber Investigations, McAfee

Enrich your expanding toolbox of security measures by working with law enforcement agencies (LEA) before, during or after a security breach.

TRACK	SESSION LENGTH	BADGE ACCESS
Blockchain & Applied Crypto	50 MIN	FC

Key Management Architectures for Multinational Compliance BAC-F03

Sundaram Lakshmanan, Chief Technology Officer, CipherCloud

Understand strategies for key management architectures that meet the needs of multinational corporations for data privacy, data protection, data sovereignty, data residency and compliance.

TRACK	SESSION LENGTH	BADGE ACCESS
Cloud Security & Virtualization	50 MIN	FC

Secure Innovation in Public Cloud, Myth or Reality? CSV-F03

Rehman Khan, Director Cloud And Data Security, TD Ameritrade; Brajesh Moni, Cloud Security Consultant, TD Ameritrade

Frictionless cloud security. Learn TD Ameritrade's journey to public cloud for innovation and enterprise initiatives.

TRACK	SESSION LENGTH	BADGE ACCESS
Cryptography	50 MIN	FC

Privacy and Anonymity CRYP-F03

Elizabeth Crites, Brown University; Yanhong Xu, Nanyang Technological University, Singapore

Cryptographic techniques on privacy and anonymity will be discussed.

TOPIC 1: Delegatable Anonymous Credentials from Mercurial Signatures
Authors: Elizabeth C. Crites; Anna Lysyanskaya

TOPIC 2: Accountable Tracing Signatures from Lattices
Authors: San Ling; Khoa Nguyen; Huaxiong Wang; Yanhong Xu

11:10 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Governance, Risk & Compliance	50 MIN	FC

IMF Case Study: Metrics That Matter—Help Management with Decision-Making and Improve Security Posture of the Organization GRC-F03

Sanaz Sadoughi, Information Security Officer, International Monetary Fund

Information security metrics presents a holistic view of the information security posture of the organization and helps management with decision-making to prioritize the investment to mitigate risk.

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats	50 MIN	FC

The Etiology of Vulnerability Exploitation HT-F03

Jay Jacobs, Data Scientist, Cyentia Institute; Michael Roytman, Chief Data Scientist, Kenna Security

The presenters wondered why only some vulnerabilities were exploited in the wild. Their research led them on a journey towards a few dozen data points that helped them understand the probability of exploitation.

TRACK	SESSION LENGTH	BADGE ACCESS
Hackers & Threats Advanced	50 MIN	FC

Behavior and Misbehavior: The First Ever RSAC SOC Report HTA-F03

Jessica Bair, Senior Manager, Advanced Threat Solutions, Cisco Security; Percy Tucker, Senior Manager, RSA; Neil Wyler, Threat Hunter, RSA

One of the first things an attendee to any conference is looking for is the WiFi password, and RSA Conference is no different. But just what are you connecting to? What's happening on the back end? And really, just who're you sharing this network with?

TRACK	SESSION LENGTH	BADGE ACCESS
Human Element	50 MIN	FC

Autism, Cybercriminals, Cybercrime and Employment HUM-F03

Rebecca Ledingham, Vice President Cybersecurity, Mastercard

A significant number of cyber-offenders present with Autism disorders. Learn about people involved in the cybercrime environment by understanding the issues of offenders, victims and employees.

TRACK	SESSION LENGTH	BADGE ACCESS
Identity	50 MIN	FC

Are Spoof-Proof Biometrics Really Possible? IDY-F03

Stephanie Schuckers, Director, Professor, Clarkson University, Center for Identification Technology Research

Get the latest in spoof attack detection, testing and certification, and come away with best practices for secure biometric implementations from a globally recognized biometric security expert.

TRACK	SESSION LENGTH	BADGE ACCESS
Mobile & IoT Security	50 MIN	FC

Changing the World with the UK's Code of Practice for Consumer IoT Security MBS-F03

David Rogers, Mobile Technology, Cyber Security & Standards Adviser, Department for Digital, Culture, Media & Sport (DCMS), UK

The UK's Code of Practice for Consumer IoT Security, backed by open data global IoT security and privacy recommendations, aims to ensure products are secure by design. Learn how it works and what's coming next.

FRIDAY SESSION DETAILS

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11:10 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Policy & Government	50 MIN	FC

Laboratories of Cyber Innovation—States Leading the Way PNG-F03

MODERATOR: *David Forscey*, Senior Policy Analyst, National Governors Association

PANELISTS: *Deborah Blyth*, Chief Information Security Officer, State of Colorado; *Stephanie Helm*, Director, Massachusetts Cyber Center at Mass Tech Collaborative, Commonwealth of Massachusetts; *Peter Liebert*, Chief Information Security Office & Director, Office of Information Security, State of California; *Shawn Riley*, Chief Information Officer, State of North Dakota; *Mike Steinmetz*, State Cybersecurity Officer & Principal Homeland Security Advisor, State of Rhode Island

Listen to a diverse group of cybersecurity leaders speak about the specific challenges and opportunities for states in cybersecurity and technology.

Professional Development	50 MIN	FC
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Retaining and Growing Cybersecurity Talent: A Proven Model PROF-F03

Deidre Diamond, Founder and CEO, CyberSN and Brainbabe

To improve cybersecurity workforce retention companies must develop career development plans based on standardized, common-language projects and tasks. Fortune 500 case study to be shared.

Protecting Data & the Supply Chain Ecosystem	50 MIN	FC
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Tales from the PSIRT: 10 Years of Bugs, Vulnerabilities and CVEs PDAC-F03

Jon Green, VP and Chief Security Technologist, Aruba

The Product Security Incident Response Team (PSIRT) is a critical part of keeping your IT infrastructure secure. But how do they function? We'll see how product companies go from discovery to CVE.

11:10 AM, CONTINUED

TRACK	SESSION LENGTH	BADGE ACCESS
Security Mashup	50 MIN	FC

Cybersecurity and Hospital Infection Control: Overlaps and Opportunities MASH-F03

Meghan Brett, Hospital Epidemiologist, University of New Mexico School of Medicine; **Howard Poston**, Cyber R&D, The Cybermaniacs

Cybersecurity and infection control are fields similar in threats and containment techniques. We provide an in-depth comparison between the fields focused on threat landscape and best practice.

Security Strategy & Architecture	50 MIN	FC
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10 Lies You Tell Your Security Vendors—And What to Do Instead STR-F03

Michael Adler, VP, Product – NetWitness Platform, RSA

This session will review some of the issues that make it difficult for security vendors to meet the needs of customers and how to avoid those issues.

Technology Infrastructure & Operations	50 MIN	FC
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Passwords and Patching: The Forgotten Building Blocks of Enterprise Security TECH-F03

Andrea Fisher, Security Specialist, Microsoft; **Jon Wojan**, Partner Technical Architect, Microsoft

The NSA hasn't responded to a zero-day attack in 24 months. Patching remains the biggest security issue until 2020. Get back to the basics and overcome foundational issues with patching and passwords.

Technology Infrastructure & Operations	50 MIN	FC
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Election Hacking is No Longer Theoretical: Russians Are Pwning Our Votes TECH-R02R

James Foster, CEO, ZeroFOX; **Avi Rubin**, Professor, Johns Hopkins University

Election hacking is real. The vulnerability of modern elections has never been greater and the advanced challengers to the systems, processes and infrastructure are quickly gaining more ground.

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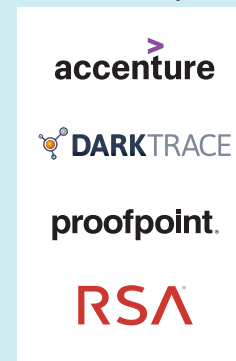
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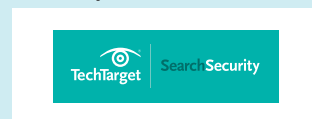
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EDUCATION SPONSORS



CompTIA (the Computing Technology Industry Association) is the world's leading, not-for-profit, technology association, with approximately 2,000 corporate member companies, 5,000 IT professional members, 3,000 academic and training partners, 100,000+ registered users and over two million IT certifications issued. CompTIA provides networking, education, thought leadership, certifications and is an advocate for technology companies and IT professionals. CompTIA also gives back to the industry through philanthropic efforts through the Creating IT Futures Foundation. CompTIA's unparalleled range of programs foster workforce skills development and generate critical knowledge and insight—building the foundation for technology's future. Visit www.comptia.org to learn more.



GIAC Certifications develops and administers premier, professional information security certifications. More than 30 certifications align with SANS training and ensure mastery in critical, specialized infosec domains. GIAC certifications provide the highest and most rigorous assurance of cybersecurity knowledge and skill available to industry, government and military clients across the world.



The **International Association of Privacy Professionals (IAPP)** is the largest and most comprehensive global information privacy community and resource, helping practitioners develop and advance their careers and organizations manage and protect their data. Founded in 2000, the IAPP is a not-for-profit association that helps define, support and improve the privacy profession through networking, education and certification. More than just a professional association, the IAPP provides a home for privacy professionals around the world to gather, share experiences and enrich their knowledge.



The impact and sophistication of cybersecurity threats have created a global demand for professionals with cybersecurity expertise that is outpacing the supply. **ISACA**[®] developed Cybersecurity Nexus™ (CSX) to help fill the growing cybersecurity skills gap, provide cybersecurity guidance, training, credentials and career development for professionals at every stage of their careers, and help enterprises develop their cyber workforce. CSX, an innovative, holistic resource for cybersecurity solutions serves to highlight ISACA's continuing commitment to addressing the global need for skilled cybersecurity professionals.



(ISC)² is an international nonprofit membership association focused on inspiring a safe and secure cyber world. Best known for the acclaimed Certified Information Systems Security Professional (CISSP[®]) certification, (ISC)² offers a portfolio of credentials that are part of a holistic, programmatic approach to security. Our membership, over 130,000 strong, is made up of certified cyber, information, software and infrastructure security professionals who are making a difference and helping to advance the industry. Our vision is supported by our commitment to educate and reach the general public through our charitable foundation—The Center for Cyber Safety and Education™. Visit www.isc2.org.



SANS is the most trusted and by far the largest source for information security training and security certification in the world. It also develops, maintains, and makes available at no cost, the largest collection of research documents about various aspects of information security, and it operates the Internet's early warning system—the Internet Storm Center.

CLE ACCREDITATION SPONSOR



The American Bar Association Section of Science & Technology Law (SciTech) sponsors the Law Track at RSA Conference 2019. SciTech has applied for Continuing Legal Education Credits in many mandatory CLE states for all sessions in this track. To sign-in for CLE credit, please visit the CLE Information Table during the Law Track Sessions in Marriott Marquis. Contact SciTech at (312) 988-5594 with any questions.

ASSOCIATION SPONSORS



APWG is the international coalition unifying the global response to cybercrime across industry, government and law-enforcement sectors, and NGO communities. APWG's membership worldwide is as global as its outlook with its directors, managers and research fellows advising national governments; global governance bodies such as the Organisation for Economic Co-operation and Development, the International Telecommunications Union and ICANN; hemispheric and global trade groups; and multilateral treaty organizations such as the European Commission, the Commonwealth of Nations, the G8 High Technology Crime Subgroup, Council of Europe's Convention on Cybercrime, the United Nations Office on Drugs and Crime and the Organization of American States. Operationally, APWG conducts its mission through: an exchange clearing more than 500 million data elements per month; the APWG.EU, the institution's European research chapter in Spain; and the STOP.THINK.CONNECT. cybersecurity awareness campaign.



CForum is an association of industry experts focused on continuing the discussion started during development of the "Framework for Improving Critical Infrastructure Cybersecurity" (the "Framework"). CForum provides an online community for information sharing and best practices to assist organizations in securing their environments. CForum's goal is to be an industry-led forum that discusses the topics surrounding the security practices, Framework, and how to evolve the Framework through version 2.0. Through the collaboration enabled by CForum we can help one another improve our security programs.



The **Cloud Security Alliance** is a not-for-profit organization with a mission to promote best practices and spread industry-wide education on security assurance within Cloud Computing. CSA is led by a broad coalition of industry practitioners, corporations, consumers, associations and other key stakeholders and serves as an incubator for international cloud standards. CSA's ever-expanding research and initiatives provide the industry with critical resources such as the Security Guidance and GRC Stack papers, Cloud Controls Matrix, CCSK training and certification, and the publicly accessible registry, CSA STAR.



DevOps.com is where the world meets DevOps. DevOps.com features the largest collection of original DevOps related content with new and fresh content served daily. DevOps.com also produces DevOps Connect conferences and other DevOps education and training.



Data Security Council of India (DSCI) is a premier industry body on data protection in India, setup by NASSCOM®, committed to making the cyberspace safe, secure and trusted by establishing best practices, standards and initiatives in cybersecurity and privacy. DSCI works together with the Government and their agencies, Law Enforcement Agencies, industry sectors including IT-BPM, BFSI, CII, Telecom, industry associations, data protection authorities and think tanks for public advocacy, thought leadership, capacity building and outreach initiatives. For more information, visit: www.dsci.in.



Founded in 2002, the **Executive Women's Forum** (www.ewf-usa.com) is the largest member organization serving emerging leaders as well as the most prominent and influential female executives in Information Security, IT Risk Management Privacy. Our mission is to attract, retain and advance women in our field through education, leadership development and the creation of trusted relationships. We are committed to developing future leaders through our scholarship program and keeping kids safe online with the Cyber Security School Challenge. The dialogue that begins at our National Conference hosted by Alta Associates (www.altaassociates.com) on October 15 – 17, 2019, continues throughout the year during regional meetings, Cheer dinners, meet & greet events, mentoring and Leadership Journey programs. Our EWF Connect extends the access that occurs during EWF events via an 24/7 online interactive community. Become a member today!



GlobalPlatform is a nonprofit industry association driven by approximately 100 member companies. Members share a common goal to develop GlobalPlatform's specifications, which are today highly regarded as the international standard for enabling digital services and devices to be trusted and securely managed throughout their lifecycle. GlobalPlatform protects digital services by standardizing and certifying a security hardware/firmware combination, known as a secure component, which acts as an on-device trust anchor. This facilitates collaboration between service providers and device manufacturers, empowering them to ensure the right level of security within all devices to protect against threats. Market sectors adopting GlobalPlatform technology include automotive, healthcare, government and enterprise ID, payments, premium content, smart cities, smart home, telecoms, transportation and utilities.



Founded by Internet pioneers, the **Internet Society** is a nonprofit organization dedicated to ensuring the open development, evolution and use of the Internet. Working through a global community of chapters and members, the Internet Society collaborates with a broad range of groups to promote the technologies that keep the Internet safe and secure, and advocates for policies that enable universal access. The Internet Society is also the organizational home of the Internet Engineering Task Force (IETF) and the Online Trust Alliance (OTA), which identifies and promotes security and privacy best practices that build consumer confidence in the Internet.



The **Information Systems Security Association (ISSA)** is dedicated to developing and connecting cybersecurity leaders globally. ISSA is the community of choice for international cybersecurity professionals dedicated to advancing individual growth, managing technology risk, and protecting critical information and infrastructure. The primary goal of ISSA is to promote management practices that will ensure the confidentiality, integrity and availability of information resources. ISSA facilitates interaction and education to create a successful environment for global information systems security and for the professionals involved. Members include practitioners at all levels of the security field in a broad range of industries such as communications, education, healthcare, manufacturing, financial and government.



The **National Cyber Security Alliance (NCSA)** is the nation's leading nonprofit, public-private partnership promoting cybersecurity and privacy education and awareness. NCSA works with a broad array of stakeholders in government, industry and civil society. NCSA's primary partners are DHS and NCSA's Board of Directors, which includes representatives from ADP; AT&T Services Inc.; Bank of America; CDK Global, LLC; CertNexus; Cisco; Cofense; Comcast Corporation; ESET North America; Facebook; Google; Intel Corporation; Marriott International; Mastercard; Microsoft Corporation; Mimecast; NXP Semiconductors; Raytheon; Salesforce; Symantec Corporation; Visa; and Wells Fargo. NCSA's core efforts include National Cyber Security Awareness Month (October); Data Privacy Day (Jan. 28); STOP.THINK.CONNECT.™, the global online safety awareness and education campaign co-founded by NCSA and the Anti-Phishing Working Group with federal government leadership from DHS; and CyberSecure My Business™, which offers webinars, web resources and workshops to help businesses be resistant to and resilient from cyberattacks. For more information on NCSA, please visit staysafeonline.org/about-us/overview.



OASIS is a nonprofit consortium that advances open standards and open source development on a global scale. It offers standards and open source projects a path to recognition in international policy and procurement. Any initiative for developing code, APIs, specifications or reference implementations can find a home at OASIS. Each project operates independently under industry-approved process and IPR policies. Some of the most widely adopted standards are developed at OASIS including: KMIP, STIX, TAXII, OpenC2 and SAML. Many of these have gone on to be published as ISO, IEC or ITU standards. New work is encouraged, and all are welcome to participate. OASIS members can be found in 100+ countries on virtually every continent. Major multinational companies, SMEs, government agencies, universities, research institutions, consulting groups and individuals are represented.



The OpenStack Foundation (OSF) supports the development and adoption of open infrastructure globally, across a community of 100,000 individuals in 187 countries, by hosting open source projects including OpenStack, Airship, Kata Containers, StarlingX, and Zuul, as well as supporting communities of practice, including datacenter cloud, edge computing, NFV, CI/CD and container infrastructure. www.openstack.org/foundation



Industry association **SIMalliance** advocates the protection of sensitive connected and mobile services to drive their creation, deployment and remote management across multiple industries and use cases, including IoT. It promotes the essential role of a tamper resistant secure hardware component in delivering secure applications and services across all devices that can access wireless networks. SIMalliance facilitates delivery of secure connected services globally, by: anticipating market needs and developing enabling specs; collaborating with industry stakeholders to ensure new use cases and business models can be securely supported; clarifying and recommending existing technical standards relevant to the implementation of strong device security; promoting the availability of its members' standardised, global security infrastructure, together with an established process landscape, which offers an instant solution to many challenges associated with bringing mobile services to market and managing them remotely.

NON-PROFIT SPONSOR



The **Global Cyber Alliance** (GCA) is an international, cross-sector effort dedicated to eradicating cyber-risk and improving our connected world. We achieve our mission by uniting global communities, implementing concrete solutions, and measuring the effect. GCA, a 501(c)3, was founded in September 2015 by the Manhattan District Attorney's Office, the City of London Police and the Center for Internet Security. Learn more at www.globalcyberalliance.org.

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At Varonis, protecting your file and email systems from cyberattacks and insider threats is our primary focus. We're fighting a different battle - so your data is protected first. Not Last.

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EXPLORE THE EXPO

EXPO HOURS

Monday, March 4	Tuesday, March 5	Wednesday, March 6	Thursday, March 7
Welcome Reception 5:00 PM – 7:00 PM	10:00 AM – 6:00 PM	10:00 AM – 6:00 PM Expo Pub Crawl 4:30 PM – 6:00 PM	10:00 AM – 3:00 PM

BROWSE EXHIBITORS

in Alphabetical Order with Company Descriptions, on pages 119–179.
Alphabetical Order Listing on pages 187–189.

You can also find Expo information on our website—or download our app! Visit www.rsaconference.com/app1 or scan this QR code to get started.



SEE EXPO FLOOR PLANS on pages 190–193.

DON'T MISS THESE SPECIAL HIGHLIGHTS:

WELCOME RECEPTION

**Monday,
5:00 PM – 7:00 PM**

Join your peers in the North and South Expos while kicking off RSA Conference in style at the Welcome Reception. Enjoy drinks and light fare on Monday evening from 5 to 7 PM. Get exclusive access to the exhibitors you've been waiting to meet; network with peers as you preview cutting-edge products from over 650 leading information security companies.

Sponsored by:



BRIEFING CENTER

**Tuesday – Thursday,
Ongoing**

Stop by one of the two Briefing Centers for 20- to 30-minute technical demos featuring top companies in information security. Obtain answers to challenges currently facing your company and further enhance your security strategies for the coming year. For the presentation schedule, see pages 115–118; for session abstracts consult the sessions detail pages for each day.

EXPO PUB CRAWL

**Wednesday,
4:30 PM – 6:00 PM**

Enjoy your choice of complimentary beer, wine and non-alcoholic beverages as you visit sponsoring companies' booths to learn about their latest products, services and innovations. Located at select sponsor booths within both expo halls on Wednesday, March 6, from 4:30 to 6 PM.

PUB CRAWL SPONSORS:

adaptiva Booth S 3238	ATTACKIQ Booth N 4206	COFENSE Booth N 4436	CRYPTOSOFT Booth S 2457	EGNTE Booth S 2267
egress Booth N 4134	GARNER Booth S 2063	HID Booth N 4514	INFOSEC INSTITUTE Booth N 4303	keeper Booth S 2166
LOGICGATE Booth S 1968	NETSPI™ Booth N 4400	NYOTRON Booth N 4429	SEQUESTEK Booth N 6385	UL Booth N 4617

Stop by one of the two Briefing Centers for 20- to 30-minute technical demos featuring top companies in information security. Obtain answers to challenges currently facing your company and further enhance your security strategies for the coming year. Briefing Center presentations are open to all badge types.

For session abstracts see the Session Details pages for each day.

TUESDAY, MARCH 5

NORTH EXPO

All Briefing Center sessions in the North Expo are 30 minutes long.

10:20 AM		Kubernetes Deployments: How Not to Get Hacked BC-T1N <i>Sol Cates, VP of Technology Strategy, CTO, Thales eSecurity Inc.</i>
11:00 AM		Context-Wrapped Security: Driving Down Business Risk BC-T2N <i>Colin McKinty, Cyber Strategy – Americas, BAE Systems</i>
11:40 AM		Leverage the Latest Threat Intelligence to Stay Ahead of Cyberthreats BC-T3N <i>Dmitriy Ayrapetov, Executive Director, Product Management, SonicWall</i>
12:20 PM		Zero-Trust Privilege for the Modern Threatscape BC-T4N <i>David McNeely, Chief Strategy Officer, Centrify</i>
1:00 PM		Hunting the Hunters: Going Behind Enemy Lines BC-T5N <i>Brian Hussey, VP, Cyber Threat Detection and Response, Trustwave</i>
1:40 PM		Highlighting Security Blind Spots in the DevOps Butler BC-T6N <i>Nimrod Stoler, Security Researcher, CyberArk</i>
2:20 PM		Next-Gen Cloud Security Architectures for the Cloud-First Future BC-T7N <i>Christopher Park, Chief Technical Implementation Officer, iboss</i>
3:00 PM		The Five Stages of Security Change in the World of Converged IT/IoT/OT BC-T8N <i>Ellen Sundra, VP, Systems Engineering, ForeScout</i>
3:40 PM		Protecting Your Organizations' Very Attacked People BC-T9N <i>Jennifer Cheng, Director, Product Marketing, Proofpoint</i>
4:20 PM		Mind the Gap: Four Key Areas Where Infosec Expectations Fall Short of Reality BC-T10N <i>Raymond Pompon, Principal Threat Research Evangelist, F5 Networks</i>
5:00 PM		Authentication and Security at the Speed of Conversation BC-T11N <i>Vijay Balasubramanian, CEO and Co-Founder, Pindrop</i>

BRIEFING CENTER SCHEDULE

SOUTH EXPO










All Briefing Center sessions in the South Expo are 20 minutes long.

10:40 AM		An Intelligent Approach to Beating Global Cybersecurity Threats BC-T1S <i>Laurent Gil, Security Evangelist, Oracle Cloud Infrastructure (OCI), Oracle</i>
11:10 AM		Identity = Security BC-T2S <i>Michael Kaczmarek, VP, Product and Solutions Marketing, Neustar</i>
11:40 AM		Get Your Head Out of the Cloud. Zero Trust Access for Hybrid IT. BC-T3S <i>Bryan Embrey, Sr. Product Marketing Manager, Pulse Secure</i>
12:10 PM		In Nine Months, You Could Be Fined for a CCPA Violation. Want to Know Why? BC-T4S <i>Nick Cavalancia, Founder and Chief Techvangelist, Netwrix</i>
12:40 PM		Detect and Block Web App Attacks—Before They Strike Your Business BC-T5S <i>Rusty Carter, VP, Product Management, Arxan Technologies</i>
1:10 PM		The Scarlet Email: A Look at the Financial Underbelly of BEC Criminal Groups BC-T6S <i>Josh Wilson, Field CTO, Agari</i>
1:40 PM		Is DNS Part of Your Cybersecurity Strategy? BC-T7S <i>Craig Sanderson, VP Product Management – Security, Infoblox</i>
2:10 PM		Cloud Revolution—Digital Transformation and Disruption of Data Protection BC-T8S <i>Gary Marsden, Senior Director, Encryption Products and Cloud Solutions, Gemalto</i>
2:40 PM		Edge Computing: New Hope against Insider Threat? BC-T9S <i>Hoke Smith, Director, Security and Analytics, Nuix</i>
3:10 PM		Spartacus as a Service: Privacy, Obfuscation and the Right to Be Forgotten BC-T10S <i>Mike Kiser, Strategist and Evangelist, Office of the CTO, SailPoint</i>
3:40 PM		Attack Simulation: Exfiltrating Data from an Organization without Hacking It BC-T11S <i>Clifford Vazquez, Director Enterprise Architect Capgemini's Cybersecurity Global Service Line, Capgemini</i>
4:10 PM		Three Things Every Boardroom Wants to Know BC-T12S <i>Jonathan Goldberger, VP and General Manager, Security Solutions, Unisys</i>
4:40 PM		The Nightmare on Cyber-Hygiene Street BC-T13S <i>Nicola Whiting, Chief Strategy Officer, Titania</i>
5:10 PM		Dissecting ERP Breaches: They're More Common Than You Know BC-T14S <i>Juan Pablo Perez-Etcheгойen, CTO, Onapsis</i>

WEDNESDAY, MARCH 6

NORTH EXPO

All Briefing Center sessions in the North Expo are 30 minutes long.








10:30 AM		Building Effective Cyber-Defense Strategies against Privileged Attacks BC-W1N <i>Tal Guest, Director of Product Management, BeyondTrust</i>
11:10 AM		Preparing Your Organization for Security Orchestration and Automation BC-W2N <i>Jadon Cruz Montero, Senior Product Manager, Rapid7</i>
12:00 PM		Continuous Endpoint Monitoring at Scale for the Global Enterprise BC-W3N <i>Anthony Di Bello, VP, Strategic Development, OpenText</i>
12:40 PM		Creating a Modern AppSec Toolchain to Quantify Service Risks BC-W4N <i>Tim Mackey, Senior Technology Evangelist, Synopsys</i>
1:20 PM		One Person Can Change the World: The Story Behind GDPR BC-W5N <i>Helge Husemann, Global Technical Evangelist, Malwarebytes</i>
2:00 PM		A New Paradigm for Security BC-W6N <i>Jason Garbis, VP, Products, Cyxtera</i>
2:40 PM		Got Breached? Determining the Extent of Your Intrusion BC-W7N <i>Tim Bandos, Vice President, Cybersecurity, Digital Guardian</i>
3:20 PM		What a Cyberattack Looks Like When You're Watching Your Data BC-W8N <i>Brian Vecci, Technical Evangelist, Varonis</i>
4:00 PM		Red vs. Blue? Why Not Purple? Doing Good While Knowing Evil. BC-W9N <i>David DeSanto, Director, Products and Threat Research, Spirent</i>

SOUTH EXPO

All Briefing Center sessions in the South Expo are 20 minutes long.

10:40 AM		The Art of Remediation BC-W1S <i>Austin Murphy, Vice President, Managed Services, CrowdStrike</i>
11:10 AM		There's No Intelligence in AI without Security Data Management BC-W2S <i>Scott Mongeau, Cybersecurity Data Scientist, SAS Institute, Inc.</i>
11:40 AM		Security for a Zero-Trust World BC-W3S <i>Jay Bhansali, Product Marketing Engineer (Director), MobileIron</i>
12:10 PM		Hybrid Security for Your Hybrid Enterprise BC-W4S <i>Todd Peterson, IAM Evangelist, One Identity</i>
12:40 PM		Complexity: Access Management and the Future of Dynamic Authorization BC-W5S <i>Eve Maler, VP of Innovation and Emerging Technology, ForgeRock</i>

BRIEFING CENTER SCHEDULE

1:10 PM		Secure Your Digital Crown Jewels with Micro-Segmentation BC-W6S <i>Faraz Aladin, Head of Technical Product Marketing, Illumio</i>
1:40 PM		Applied Prediction: Using Forecasts to Get Proactive about Security BC-W7S <i>Ed Bellis, Chief Technology Officer, Kenna Security</i>
2:10 PM		Seven Hells! We Need One Language to Communicate about IT Assets BC-W8S <i>Alejando Lavie, Director, Strategy, Flexera</i>
2:40 PM		Unhackable: Why Businesses Are Turning to Hardware-Enforced Cybersecurity BC-W9S <i>Dennis Lanahan, Director of Sales, Owl Cyber Defense Solutions</i>
3:10 PM		TLS Redirection: How to Make MitM on HTTPS Possible BC-W10S <i>Aleksei Tiurin, Senior Security Researcher, Acutenix</i>
3:40 PM		GDPR Security Post-Mortems: Lessons Learned from Facebook, Uber and Others BC-W11S <i>Scott M. Giordano, Esq., VP, Data Protection, Spirion</i>
4:10 PM		As Cyber Criminals Raise Their Game, So Should Security Awareness Programs BC-W12S <i>Craig Kunitani, COO, Security Mentor; Marie White, CEO, Security Mentor</i>

THURSDAY, MARCH 7

NORTH EXPO

All Briefing Center sessions in the North Expo are 30 minutes long.

10:30 AM		Don't Let the Lights Go Out: Inside the Mind of a Power Hacker BC-R1N <i>Joseph Carson, Chief Security Scientist and Advisory CISO, Thycotic</i>
11:10 AM		Identity Iceberg Ahead: Machine Identities and Their Need for Protection BC-R2N <i>Michael Thelander, Director, Product Marketing, Venafi</i>
12:00 PM		Managing Effective Security Policies in a Hybrid Enterprise Network BC-R3N <i>Reuven Harrison, Chief Technology Officer, Tufin</i>
12:40 PM		From Endpoint to Any Point: Defending the New Perimeter with Cloud Security BC-R4N <i>Gill Langston, Senior Product Manager, Avast</i>

SOUTH EXPO

All Briefing Center sessions in the South Expo are 20 minutes long.

10:30 AM		Resolve and Evolve: Machine Learning for Email Threat Protection BC-R1S <i>Dena Bauckman, CISSP, VP, Product Management, Zix</i>
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(ISC)² **S 164**

(ISC)² is an international nonprofit membership association focused on inspiring a safe and secure cyber-world. Best known for the acclaimed Certified Information Systems Security Professional (CISSP®) certification, (ISC)² offers a portfolio of credentials that are part of a holistic, programmatic approach to security.
www.isc2.org

1E, Inc. ★ **S 3241**

Critical infrastructure, software code vulnerability analysis, risk management, risk & vulnerability assessment, patch management, infrastructure security, incident response, hackers & threats, governance risk & compliance, endpoint security

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<https://1password.com>

360ESG **S 1061**

BYOD, zero trust, threat intelligence, security analytics, endpoint security, cloud security, behavioral analytics, authentication, artificial intelligence/machine learning, SIEM

360ESG is the leader in cybersecurity market in China. The mission is to protect the security of the era of big data, and data-driven security as the technological idea. It has created a new generation of collaborative defense systems that comprehensively cover big data security analysis, gateway, endpoint, web and mobile security products and solutions to over one million enterprise customers.

802 Secure, Inc. ★ **S 2444**

Internet of Things, security intelligence, risk management, risk & vulnerability assessment, operational technology (OT Security), network security, intrusion prevention/detection, infrastructure security, hackers & threats, PII

NEW PRODUCT 802 Secure is the leader in cyber-physical security, bridging the convergence gap between cyber and physical systems. AirShield protects companies from risks stemming from the growing number of IoT, IIoT and OT devices and networks. This wireless visibility and deep intelligence goes beyond the traditional network to remove network blindspots, prevent nefarious activities and mitigate data loss.
www.802Secure.com

A10 Networks **S 1653**

Application security, threat intelligence, software defined networking, security intelligence, security architecture, network security, hackers & threats, firewalls, denial of service, cloud security

A10 Networks (NYSE: ATEN) is a provider of intelligent and automated cybersecurity solutions, providing a portfolio of high-performance secure application solutions that enable intelligent automation with machine learning to ensure business critical applications are secure and always available.
www.a10networks.com

AAEON **S 2355**

BYOD, network security, intrusion prevention/detection, firewalls, endpoint security, cryptography, cloud security, application security, access control, Internet of Things

NEW PRODUCT Network appliances for SD-WAN, NFV, Firewall, UTM, VPN, load balancing, bandwidth management, Gateway security, WAN acceleration solutions. AAEON's team of experienced network engineers has helped dozens of companies deploy reliable network appliances around the globe based on state-of-the-art hardware platforms, unmatched service quality and long-term support.
www.aaeon.com

AC Global Risk ★ **S 3136**

Acalvio Technologies **N 4511**

www.acalvio.com

Active Countermeasures ★ **S 3116**

Internet of Things, threat management, security analytics, security & threat visualization, network security, intrusion prevention/detection, hackers & threats, endpoint security, behavioral analytics, artificial intelligence/machine learning

Take the Fight to the Enemy with AI-Hunter™. Active Countermeasures offers AI-Hunter, a cybersecurity threat-hunting solution that identifies compromised hosts on a network and IoT devices regardless of the operating system or hardware. The simple-to-use interface is focused on enabling threat-hunting success for everyone from junior analyst to seasoned pros. Visit us at booth 3116 to learn more.
www.acm.re

Acunetix **N 6552**

Application security, zero-day vulnerability, web services security, risk & vulnerability assessment, penetration testing, hackers & threats, governance risk & compliance, exploit of vulnerability, data security, cloud security

Acunetix is an industry-leading solution used by many governments and Fortune 500 firms to identify flaws in web code. It automatically and comprehensively scans html5, javascript and single-page applications, audits complex, authenticated webapps and reports on a wide range of web vulnerabilities, including sql, xss and out-of-band vulnerabilities.
www.acunetix.com

Adaptiva **S 3238**

Endpoint security, zero day vulnerability, threat management, security operations, risk & vulnerability assessment, policy management, patch management, orchestration & automation, incident response, exploit of vulnerability

Adaptiva is a leading global provider of endpoint management and security solutions. The company's peer-to-peer technology products empower enterprise IT teams to secure endpoints with unparalleled speed and at massive scale. Leading Fortune 1000 organizations, including T-Mobile, HSBC, Walgreens and the US Army, use Adaptiva products to automate countless endpoint management tasks.
www.adaptiva.com

Aewin Tech Inc. ★ **N 4405**

Anti-malware, software defined networking, network security, identity management & governance, firewalls, data security, cloud security, big data analytics, artificial intelligence/machine learning, anti-spam

NEW PRODUCT AEWIN was founded in 2000 and is headquartered in Taipei, Taiwan. With ISO-9001 and 14001 certified Intelligent PC ODM solution provider. AEWIN has developed the strong technical experience and ability to create a different platform in the network, server, embedded and gaming solution.
www.aewinusa.com

EXHIBITING COMPANIES

- Agari** N 6459, S 1353
Artificial intelligence/machine learning, zero day vulnerability, threat intelligence, social engineering, phishing, insider threats, incident response, identity theft, hackers & threats, cloud security
Agari is transforming the legacy Secure Email Gateway with its next-generation Secure Email Cloud™ powered by predictive AI. Leveraging data science and real-time intelligence from trillions of emails, the Agari Identity Graph™ detects, defends, and deters business email compromise, spear phishing and account takeover. Learn more at: www.agari.com
- AIC** S 1868
AIC is a leading provider of both standard OTS (off-the-shelf) and OEM/ODM server and storage solutions. With expert in-house design, manufacturing and validation capabilities, AIC's products are highly flexible and configurable to any form factor, standard or custom. AIC leads the industry with 20+ years of experience in mechanical, electronic and system-level engineering. www.aicipc.com
- Akamai Technologies** N 6153
Access control, zero trust, zero-day vulnerability, malware, firewalls, exploit of vulnerability, denial of service, cloud security, botnets, application security
Akamai provides a global cloud platform to stop attacks at the edge before they reach your apps, infrastructure and people. We harness visibility into more traffic (1 trillion DNS requests, 1.3 billion devices and 100 million IP addresses daily) and more attacks (178 billion WAF rule triggers daily) to stay ahead of the latest DDoS and web application attacks, evolving automated threats, and advanced targeted threats—including responding to the latest zero-day vulnerabilities. Akamai's managed security services, backed by 24/7/365 security operations centers, give you the choice to offload security management, monitoring and threat mitigation to Akamai security experts. www.akamai.com
- Alert Logic** S 265, S 1627
Cloud security, threat management, threat intelligence, security services, security operations, security intelligence, security analytics, log management, hackers & threats, endpoint security
Alert Logic seamlessly connects an award-winning security platform, cutting-edge threat intelligence, and expert defenders—to provide security and peace of mind 24/7. More than 4,000 organizations rely on Alert Logic SIEMless™ Threat Management to provide the right level of security and compliance at a lower cost www.alertlogic.com
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GDPR, security & threat visualization, network security, managed security services, infrastructure security, hackers & threats, exploit of vulnerability, data security, cloud security, big data analytics
<https://bit.ly/2FKORDd>
- AlienVault** S 1235
SIEM, threat intelligence, security analytics, orchestration & automation, network security, managed security services, incident response, hackers & threats, cloud security, artificial intelligence/machine learning
AT&T Cybersecurity's edge-to-edge technologies provide phenomenal threat intelligence, collaborative defense, security without the seams, and solutions that fit your business. Our unique, collaborative approach integrates best-of-breed technologies with unrivaled network visibility and actionable threat intelligence from Alien Labs researchers, Security Operations Center analysts, and machine learning—helping to enable our customers around the globe to anticipate and act on threats to protect their business. www.alienvault.com
- Allegro Software** N 4614
Internet of Things, security architecture, operational technology (OT Security), network security, mobile security, key management, endpoint security, data security, cryptography
Secure Software for the Internet of Things. Allegro Software is a leading provider of embedded Internet software toolkits to OEMs worldwide. Field proven in 250,000,000+ devices, our solutions enable OEMs (medical, military, energy, more) to create connected secure devices using TLS, Suite B, FIPS 140-2 capabilities and more. www.allegrosoft.com
- Alta Associates** N 6474
Cloud security, threat management, threat intelligence, security operations, security consulting, security architecture, risk management, risk & vulnerability assessment, identity management & governance, governance risk & compliance
Alta Associates is the most prominent boutique executive search firm specializing in information security, IT risk management, GRC and privacy. Alta is known for placing “C-level” executives and building the teams that support them. Alta has unique access to the women in our field through the EWF on Information Security, Risk Management and Privacy founded by Alta's CEO Joyce Brocaglia. www.altassociates.com
- AMAX** N 4618
Application security, supply chain, security services, security operations, infrastructure security, critical infrastructure, cloud security, business continuity & disaster recovery, big data analytics, artificial intelligence/machine learning
Leveraging decades of engineering expertise, AMAX builds cutting-edge server appliances for today's leading security experts. With a strong focus on custom system design, rigorous quality testing and a global manufacturing and logistics footprint, AMAX provides fully scalable support for all your appliance needs. We are the hardware solution to your software innovation. www.amax.com
- Amazon Web Services, Inc.** S 1227
DevSecOps, security & threat visualization, intrusion prevention/detection, infrastructure security, identity management & governance, data security, cryptography, cloud security, application security, access control
For over 12 years, Amazon Web Services has been the most comprehensive and broadly adopted cloud platform. AWS offers services for compute, storage, databases, networking, analytics, robotics, machine learning, AI, IoT, mobile, security, hybrid, virtual reality, application development and management. AWS services are trusted by customers to power infrastructure, make them agile and lower cost. <http://aws.amazon.com/security>

Anitian Corporation ★

S 3328

Cloud security, threat intelligence, security architecture, risk & vulnerability assessment, network security, managed security services, incident response, governance risk & compliance, endpoint security, data security

At Anitian, we believe security is a force for good. We fulfill our mission to make security and compliance easy with a complete suite of security solutions and services. Our flagship Sherlock Platform dramatically reduces the complexity and cost of security and compliance in the cloud. As the oldest information security firm in the nation, Anitian is honored to serve globally recognized brands.

www.anitian.com

Anomali

S 2033

Cloud security, zero-day vulnerability, threat management, threat intelligence, security intelligence, security awareness, network security, data security

Anomali detects adversaries and tells you who they are. Organizations rely on the Anomali Threat Platform to detect threats, understand the adversary and respond effectively. Anomali arms security teams with machine learning optimized threat intelligence and identifies hidden threats targeting their environments.

www.anomali.com

Antiy Labs

N 4131

Ransomware, threat intelligence, security services, security & threat visualization, network security, mobile security, malware, endpoint security, critical infrastructure, anti-malware

Antiy is a dynamic cybersecurity vendor that leads the development of threat detection and defense capability. Antiy has developed a series of products (including IEP, PTF, PTD, ACS, PTA and TDS), building the safety cornerstone of endpoint protection, boundary protection, flow monitoring, diversion capture, in-depth analysis and emergency handling for customers.

www.antiy.cn

APCON

S 3404

Audit, security analytics, security & threat visualization, risk & vulnerability assessment, network security, hackers & threats, data security, cloud security, cloud access security brokers (CASB), big data analytics

For more than 25 years, APCON consistently delivers smart, stable and scalable technology solutions that provide unmatched confidence to organizations seeking total visibility and security of physical, private and public cloud networks. With customers around the world, APCON assures superior network monitoring while supporting traffic analysis and streamlined network management and security.

www.apcon.com

Aporeto ★

S 3126

DevSecOps, zero trust, web services security, virtualization, containerization & segmentation, network security, firewalls, cloud security, authentication, application security

Aporeto is a zero-trust security solution for microservices, containers and the cloud. The Aporeto platform protects cloud applications from attack by authenticating and authorizing all communications with a cryptographically signed identity assigned to every workload. A distributed homogenous security policy is enforced per workload independent of network or infrastructure configuration.

www.aporeto.com

AppGuard

S 2467

Internet of Things, zero trust, zero day vulnerability, mobile security, malware, endpoint security, data security, data loss prevention, application security, Ransomware

NEW PRODUCT AppGuard delivers simple, effective zero trust endpoint solutions to the complex security challenges that threaten the interests of organizations as well as those of their customers. These endpoints range from personal computers to servers, smartphones, tablets to IoT devices. AppGuard solutions prevent endpoint compromise.

www.appguard.us

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EXHIBITING COMPANIES

AppViewX

S 256

AppViewX is revolutionizing the manner in which NetOps and SecOps teams deliver services to the rest of Enterprise IT. The AppViewX Platform is a modular, low-code software application that enables the automation and orchestration of network infrastructure using an intuitive, context-aware, visual workflow.

www.appviewx.com

Apricorn, Inc

N 4211

www.apricorn.com

Apriorit ★

N 6386

Anti-malware, zero-day vulnerability, virtualization, containerization & segmentation, penetration testing, mobile security, endpoint security, data security, consulting & professional services, cloud security, blockchain & distributed ledger

Apriorit is an expert software research and development company focusing on cybersecurity solutions. We assist leading cybersecurity technology vendors with the most challenging research, prototyping, development and optimization tasks. Apriorit superhero teams include reverse engineers, driver developers, kernel and system programmers, database architects, platform builders and dedicated tech wizards.

www.apriorit.com

Aqua Security, Inc.

S 3117

DevSecOps, security operations, security architecture, network security

Aqua Security enables enterprises to secure their container and cloud-native applications from development to production, accelerating application deployment and bridging the gap between DevOps and IT security. Aqua's Container Security Platform provides full visibility into application activity, allowing organizations to detect and prevent suspicious activity and attacks in real time.

www.aquasec.com

Archimigo ★

S 2361

Audit, security operations, security consulting, security architecture, risk & vulnerability assessment, penetration testing, orchestration & automation

NEW PRODUCT Archimigo—Simple, Collaborative solution for Security Automation. Archimigo automates security processes across architecture and design, security testing, risk management and SecOps.

<https://archimigo.io>

Arcon

S 140

Arctic Wolf Networks ★

N 4507

SIEM, threat management, threat intelligence, security services, security operations, security & threat visualization, risk & vulnerability assessment, log management, cloud security, application security

Arctic Wolf delivers the industry-leading security operations center (SOC)-as-a-service that redefines the economics of cybersecurity. The AWN CyberSOC™ service is anchored by Concierge Security™ teams who provide custom threat hunting, alerting and reporting. Arctic Wolf's purpose-built, cloud-based service offers 24x7 monitoring, vulnerability assessment, threat detection and response.

www.arcticwolf.com

Aries Security ★

S 161

Ariessecurity.com

Arista

N 4202

www.arista.com

AristotleInsight

S 3114

DevSecOps, threat management, security analytics, security & threat visualization, insider threats, hackers & threats, exploit of vulnerability, endpoint security, behavioral analytics, audit

AristotleInsight is an award-winning Cyber Diagnostics Platform based on Operation Eligible Receiver 97. The system utilizes revolutionary UDAPE® technology to continuously monitor configurations, validate patching of vulnerabilities, manage privileged user account activity, maintain an accurate asset inventory, and monitor for anomalous activity.

www.aristotleinsight.com

Armis

N 4525

Internet of Things, zero trust, risk & vulnerability assessment, operational technology (OT Security), network security, hackers & threats, endpoint security, behavioral analytics

Armis is the first agentless, enterprise-class security platform to address the new threat landscape of unmanaged and IoT devices. Fortune 1000 companies trust Armis' unique out-of-band sensing technology to discover and analyze all managed and unmanaged devices, analyze endpoint behavior to identify risks and attacks, and protect information and systems.

www.armis.com

Arrow ECS | immixGroup ★

S 153

Arrow's Enterprise Computing Solutions business guides organizations in developing, powerful, practical and complete IT solutions to solve complex business challenges. Arrow brings security and other innovative technology solutions to market through intelligent channels to deliver the modern enterprise. immixGroup, an Arrow company, helps technology companies do business with the government.

www.immixgroup.com

Artifex

N 4224

BYOD, mobile security, digital rights management, data security, data loss prevention, application security, access control

Artifex is the maker of SmartOffice, securable mobile document editing. Get your mobile workforce up and running quickly while ensuring the security of your enterprise documents. When integrated into your company's mobile security platform, SmartOffice provides safe editing and creation of MS Office and PDF documents while on the go.

<http://artifex.com>

Aruba

S 253

www.arubanetworks.com

Arxan Technologies

N 6141

Application security, security analytics, mobile security, data security

NEW PRODUCT www.arxan.com

AT&T Business

N 5545

SIEM, threat intelligence, security analytics, orchestration & automation, network security, managed security services, incident response, hackers & threats, cloud security, artificial intelligence/machine learning

AT&T Cybersecurity's edge-to-edge technologies provide phenomenal threat intelligence, collaborative defense, security without the seams, and solutions that fit your business. Our unique, collaborative approach integrates best-of-breed technologies with unrivaled network visibility and actionable threat intelligence from Alien Labs researchers, Security Operations Center analysts, and machine learning—helping to enable our customers around the globe to anticipate and act on threats to protect their business.

www.business.att.com

ATAR Labs ★

S 3440

SIEM, threat intelligence, security operations, security analytics, security & threat visualization, orchestration & automation, network security, managed security services, incident response, audit

ATAR Labs has been founded by a group of cybersecurity veterans who have been working in the security operations centers (SOC) for more than a decade. ATAR Labs builds next-generation Security Orchestration, Automation, and Response (SOAR) platform ATAR. ATAR integrates with more than 100 technologies and helps SOC teams improve their efficiency in responding to attacks.

<https://atarlabs.io>

AttackIQ ★

N 4206

Hackers & threats, threat management, security awareness, security & threat visualization, risk management, risk & vulnerability assessment

AttackIQ, a leader in the emerging market of continuous security validation, built the industry's first platform that enables red and blue teams to test the effectiveness of their security controls and staff. Our platform supports the MITRE ATT&CK Matrix, a curated knowledge base and model for cyber-adversary behavior used for planning security improvements and verifying defenses work as expected.

www.attackiq.com

Attivo Networks

S 455

Cloud security, network security, intrusion prevention/detection, insider threats, endpoint security, deception-based security

NEW PRODUCT Attivo Networks® ThreatDefend™ Deception and Response Platform provides accurate detection, analysis and automated incident response to in-network threats.

www.attivonetworks.com

Authentic8, Inc

S 2368

<http://authentic8.com>

AuthLite

N 6475

SSO, network security, government regulations, endpoint security, data security, authentication, application security, access control

The AuthLite Two-Factor Authentication System secures your Active Directory enterprise authentication and stays in your budget! Unlike competing authentication solutions, the unique AuthLite technology teaches Active Directory to natively understand two-factor authentication. Keep using all your existing software, with added two-factor authentication security placed exactly where you need it.

www.authlite.com

Avanan

S 1265

Ransomware, web services security, phishing, malware, insider threats, data loss prevention, cloud security, cloud access security brokers (CASB), anti-spam, anti-malware

Avanan protects cloud-based email and collaboration apps from phishing, malware and data breach using the most advanced technology from the industry's most trusted vendors.

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Booth S 1127, South Expo.

EXHIBITING COMPANIES

www.avanan.com Avast

N 5771

Internet of Things, threat intelligence, privacy, phishing, network security, mobile security, managed security services, endpoint security, artificial intelligence/machine learning, anti-malware

Avast, the global leader in digital security products for consumers and small businesses, is dedicated to providing safety and privacy online for all. With more than 400 million global users, Avast offers products that protect people from threats on the Internet across PCs and mobile phones, as well as the evolving IoT landscape. The company's cloud-based threat detection network is among the most advanced in the world, using machine learning and artificial intelligence technologies to detect and block threats in real-time. Avast digital security products for Mobile, PC and Mac are top-ranked and certified by VB100, AV-Comparatives, AV-Test, OPSWAT, ICSA Labs, West Coast Labs and others. www.avast.com

AvePoint

N 4629

GDPR, risk management, risk & vulnerability assessment, managed security services, infrastructure security, government regulations, governance risk & compliance, data security, data loss prevention, cloud security

AvePoint accelerates your digital transformation success. Over 16,000 companies and six million Office 365 users worldwide trust AvePoint software and services for their data migration, management and protection needs in the cloud, on-premises and hybrid environments. www.avepoint.com

Avi Networks

S 2437

Application security

Avi Networks delivers multi-cloud application services including a software load balancer, intelligent web application firewall (iWAF) and elastic service mesh. The Avi Vantage Platform automates intelligence and elasticity across any cloud to ensure a fast, scalable and secure application experience. Customers enjoy 90 percent faster provisioning and 50 percent lower TCO. www.avinetworks.com

AVL Mobile Security

N 4129

www.avlsec.com

Awake Security

N 4328

Internet of Things, security analytics, operational technology (OT Security), intrusion prevention/detection, insider threats, incident response, forensics & e-discovery, data lakes, behavioral analytics, artificial intelligence/machine learning

Awake Security is the only advanced network traffic analysis company that applies AI to bring expert skills to all customers, instantly analyzing billions of packets to immediately discover every device, user and application on the network. Through autonomous hunting and investigation, Awake uncovers mal-intent from insiders and external attackers.

<https://awakesecurity.com>

Ayehu Inc.

N 5480

SIEM, security operations, password management, orchestration & automation, infrastructure security, incident response, data security, critical infrastructure, artificial intelligence/machine learning

Ayehu's AI-powered Automation and Orchestration Platform is a force multiplier for IT and security operations. Our +200 large enterprise clients achieve major savings in costs while scaling their operations with flexibility. The codeless workflow designer enables rapid time-to-adoption and almost instant time-to-value. The platform acts as an integration hub, federating the enterprise architecture.

www.ayehu.com

BAE Systems

N 5877

Artificial intelligence/machine learning, threat management, threat intelligence, security operations, security consulting, security analytics, managed security services, incident response, fraud, behavioral analytics

We help nations, governments and businesses around the world defend themselves against cybercrime, reduce their risk in the connected world, comply with regulation and transform their operations. We do this using our unique set of solutions, systems, experience and processes—often collecting and analysing huge volumes of data. These, combined with our Cyber Special Forces—some of the most skilled people in the world, enable us to defend against cyberattacks, fraud and financial crime, enable intelligence-led policing and solve complex data problems. We employ over 4,000 people across 18 countries in the Americas, APAC, UK and EMEA.

www.baesystems.com/en/cybersecurity/home

Baffle, Inc.

S 2067

GDPR, insider threats, governance risk & compliance, encryption strategy & trends, data loss prevention, cryptography, application security

Baffle prevents data breaches by securing the end-to-end data access model for applications and databases. With its patented technology, Baffle is the only company that can enable encryption of data at rest, in use, in memory and in the search index without impacting the app using AES encryption and enables secure data processing on a commercial app and database to guarantee data protection.

<http://baffle.io>

Bandura Systems

S 3428

Ransomware, threat intelligence, security intelligence, phishing, network security, intrusion prevention/detection, hackers & threats, firewalls, cloud security, botnets

Our pioneering Bandura Threat Intelligence Gateway (Bandura TIG™), developed in part with the U.S. Department of Defense, blocks millions of known threats from entering and exiting company networks—serving as a first and last line of defense. The Bandura TIG reduces staff workload by automating manual workflows including threat feed management, firewall rule updates, and manual log analysis.

<http://bandurasystems.com>

baramundi software ★

N 4117

Application security, zero-day vulnerability, risk & vulnerability assessment, patch management, network security, mobile security, malware, infrastructure security, hackers & threats, endpoint security

baramundi is a leading innovator in the field of unified endpoint management and provides companies and organizations with efficient, secure and cross-platform management of their workstation and mobile environments. Over 3,000 customers worldwide of all sizes and from every sector benefit from the German manufacturer's many years of experience and outstanding products.

www.baramundi.com

Bastille

S 3301

www.bastille.net

BehavioSec

N 5471

Anti-malware, social engineering, security services, intrusion prevention/detection, identity theft, fraud, behavioral analytics, application security

BehavioSec enables enterprises to continuously and transparently authenticate people across mobile and web apps by integrating its Behavioral Biometrics platform. BehavioSec pioneered behavioral biometrics, a unique method of authentication dramatically reducing fraud committed by both humans and malware. BehavioSec currently guards billions of transactions for some of the largest global companies.

www.behaviosec.com

Belgium – Flanders Science & Technology N 5479

Plans for Europe? We deliver specialized set up and expansion support for your business in Flanders, Belgium. We are an official government agency. Our services are completely free. We are a team of international experts. We can introduce you to other companies, banks and regulators. We organize real estate site visits. We assist with all legal aspects of setting up a business.

www.flandersinvestmentandtrade.com/en

Beyond Security N 5459

DevSecOps, zero-day vulnerability, software code vulnerability analysis, risk & vulnerability assessment, penetration testing, network security, exploit of vulnerability, data loss prevention, cloud security, application security

Our network and application security testing solutions accurately assess and help resolve security weaknesses in networks, web applications and software. beSECURE—network and web app vulnerability assessment; beSTORM—dynamic software, application and equipment testing; beSOURCE—source code security testing.

www.beyondsecurity.com

BeyondTrust N 6265

Access control, threat management, policy management, password management, network security, insider threats, identity management & governance, governance risk & compliance, endpoint security, audit

BeyondTrust is the worldwide leader in Privileged Access Management, offering the most seamless approach to preventing data breaches related to stolen credentials, misused privileges and compromised remote access. Our extensible platform empowers organizations to easily scale privilege security as threats evolve across endpoint, server, cloud, DevOps and network device environments. BeyondTrust gives organizations the visibility and control they need to reduce risk, achieve compliance objectives and boost operational performance. We are trusted by 20,000 customers, including half of the Fortune 100 and a global partner network. Learn more at:

www.beyondtrust.com

BI.ZONE S 2266

Application security, threat intelligence, penetration testing, network security, mobile security, infrastructure security, incident response, forensics & e-discovery, endpoint security, data security

Founded in 2016, BI.ZONE is disrupting the global cybersecurity industry with its visionary and innovative approach to protecting client's networks and assets. Headquartered in Moscow, the company currently employs 300 security experts, including experienced forensic criminalists, penetration testers, security solutions developers, load testing engineers and other highly qualified specialists.

www.bi.zone

Big Switch Networks N 4610

Application security, software defined networking, security intelligence, security architecture, security analytics, network security, managed security services, infrastructure security, data security, cloud security

Big Switch is the Cloud-First Networking company, bringing public cloud-style networking and hybrid cloud consistency by providing data center switching, monitoring, visibility and security solutions for on-premises enterprise cloud, public cloud and multi-cloud environments, enabling organizations to increase operational efficiency and business agility, while reducing networking costs.

www.bigswitch.com

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EXHIBITING COMPANIES

BigID, Inc.

S 3129

GDPR, risk management, privacy, governance risk & compliance, data security, data loss prevention, big data analytics, PII

Today, enterprises lack dedicated purpose built technology to help them track and govern their customer data at scale. By bringing data science to data privacy, BigID aims to give enterprises the ability to understand, safeguard and steward the most important asset organizations manage: their customer data. BigID was named "Most Innovative Startup" at the 2018 RSAC Innovation Sandbox contest.

bigid.com

Binary Defense ★

S 3325

Binary Defense is your managed security partner—real people, detecting real threats, in real time. We manage every aspect of endpoint security to identify and isolate all endpoint threats. Experience advanced endpoint solutions that will predict, prevent, detect, deceive and respond to keep your company ahead of all next-generation attacks.

www.binarydefense.com

BioCatch

N 5350

www.biocatch.com

Bitdefender

S 2051

Internet of Things, threat management, threat intelligence, patch management, network security, incident response, endpoint security, cloud security, anti-malware, Ransomware

Bitdefender is a global cybersecurity leader protecting over 500 million systems in more than 150 countries. Since 2001, Bitdefender innovation has consistently delivered award-winning security products and threat intelligence for the smart connected home, mobile users, modern businesses and their networks, devices, data centers and cloud infrastructure.

www.bitdefender.com

Bitglass

N 4235

BYOD, zero-day vulnerability, data loss prevention, cloud security, cloud access security brokers (CASB), SSO

Bitglass the Next-Gen CASB company is based in Silicon Valley. The company's solutions deliver zero-day, agentless data and threat protection for any app, any device, anywhere. Bitglass is backed by Tier 1 investors and was founded in 2013 by industry veterans with a track record of innovation.

www.bitglass.com

BitSight Technologies

S 3434

Critical infrastructure, security intelligence, risk management, risk & vulnerability assessment, network security, infrastructure security, hackers & threats, governance risk & compliance, data security, cyber-insurance

NEW PRODUCT BitSight's Security Ratings Platform continuously analyzes vast amounts of external data on security issues and behaviors to help organizations manage third-party risk, underwrite cyber-insurance policies, benchmark performance, conduct M&A due diligence and assess aggregate risk.

www.bitsight.com

Bloombase

N 5365

GDPR, virtualization, containerization & segmentation, infrastructure security, governance risk & compliance, encryption strategy & trends, data loss prevention, data lakes, cryptography, cloud security, artificial intelligence/machine learning

NEW PRODUCT Bloombase is the Intelligent Storage Firewall company providing turnkey, agentless, nondisruptive, application-transparent data-at-rest encryption security from physical and virtual data centers, through hyperconverged infrastructure, to the cloud, enabling organizations to lock down their crown jewels, mitigate data exfiltration threats, and help meet regulatory compliance requirements easily and cost-effectively.

www.bloombase.com

Blue Hexagon ★

N 4204

intrusion prevention/detection, threat management, threat intelligence, network security, malware

Blue Hexagon is an advanced deep learning company focused on protecting organizations from cyberattacks. Our real-time Deep Learning Platform uses a proprietary architecture of artificial neural networks to detect known and unknown network and email threats in subseconds. Headquartered in Sunnyvale, CA, we are backed by Benchmark & Altimeter Capital. Follow us @bluehexagonai and:

www.bluehexagon.ai

Blueliv

S 2345

Botnets, threat management, threat intelligence, security operations, security intelligence, risk management, risk & vulnerability assessment, phishing, malware, hackers & threats

Blueliv is an award-winning cyberthreat intelligence provider from Barcelona, Spain. We scour the open, deep and dark web to deliver fresh, automated and actionable threat intelligence to organizations, backed up by a world-class analyst team. We collaborate with cybersecurity teams of all sizes, accelerating security and business performance with our modular, pay-as-you-need solutions.

www.blueliv.com

Boldon James

S 246

BYOD, security awareness, insider threats, government regulations, governance risk & compliance, data security, data loss prevention, cloud security, PII, GDPR

Boldon James is an industry specialist, delivering globally recognized innovation, service excellence and technology solutions that work. Part of the QinetiQ group, a major UK plc and FTSE 250 company, we integrate with powerful data security and governance ecosystems to enable customers to effectively manage data, streamline operations and proactively respond to regulatory change.

www.boldonjames.com

Bricata

N 4139

Bricata provides comprehensive network protection through unparalleled network visibility, full-spectrum threat detection, true threat hunting and post-detection actions in a single, self-managing system. Its automated detection and workflow-driven GUIs make it easy-to-use, while its fine-grained controls, extensive metadata and SmartPCAPs give experts the power they demand.

www.bricata.com

Brivo ★

S 3204

Access control, security operations, security intelligence, physical security, mobile security, log management, identity management & governance, cloud security, biometrics, authentication

Brivo is the original innovator of cloud-based physical security solutions for commercial buildings. Currently serving over 10M users, Brivo offers a unified security platform including access control, mobile credentials, video surveillance, identity federation, visitor management and elevator control through a subscription-based service that is reliable, scalable, cyber-hardened technology.

www.brivo.com

BSI Group ★

N 6472

BSI is a leading provider of business improvement solutions. Comprised of management system certifications, compliance software, training programs, advisory services and supply chain solutions, BSI helps organizations manage risk, performance and sustainability activities that transform best practice into habits of excellence.

www.bsigroup.com/en-us

BUFFERZONE

N 4301

Anti-malware, zero trust, virtualization, containerization & segmentation, malware, intrusion prevention/detection, endpoint security

BUFFERZONE is an exciting concept of security, allowing users to do more without risking their business. It is a virtual container operating on real and virtual desktops. BUFFERZONE protects against all malicious exploits. The advantage of this is clear: When malware strikes, no matter how new it is and what evasion techniques it implements—it cannot cause any damage to the organizational.

www.bufferzonesecurity.com

C2SEC ★

N 6572

Artificial intelligence/machine learning, supply chain, security awareness, security analytics, risk management, risk & vulnerability assessment, governance risk & compliance, cyber-insurance, cloud security, big data analytics

C2SEC provides an innovative analytics (SaaS) platform that assesses and quantifies the cyber-risks in financial terms for all-sized enterprises and cyber-insurance industry as well, based on combining patented big data, AI and cybersecurity technologies. We make the cyber-risk assessment as simple as the online search. For more details, please visit www.c2sec.com or email to info@c2sec.com.

www.c2sec.com

Capgemini

N 6365

GDPR, threat intelligence, security services, security operations, managed security services, identity management & governance, endpoint security, consulting & professional services, cloud security, Internet of Things

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving digital world. We offer a complete range of cybersecurity services to guide and secure the digital transformation of companies and administrations. We help clients transforming security into a source of strength, value and competitive advantage.

www.capgemini.com

Carbon Black

N 5663

Cloud security, security awareness, hackers & threats, endpoint security

Carbon Black is a leading provider of next-generation endpoint security. Leveraging its big data and analytics cloud platform—the CB Predictive Security Cloud—Carbon Black consolidates prevention, detection, response, threat-hunting and managed services into a single platform, making it easier for organizations to consolidate security stacks and achieve better protection. Carbon Black has pioneered multiple endpoint security categories, including application control, endpoint detection and response (EDR), and next-generation antivirus (NGAV) enabling customers to defend against the most advanced threats. More than 4,600 global customers, including 34 of the Fortune 100, trust Carbon Black to keep their organizations safe.

www.carbonblack.com

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EXHIBITING COMPANIES

CASwell Americas, Inc. ★

S 2461

Internet of Things, software defined networking, security operations, security architecture, orchestration & automation, network security, infrastructure security, firewalls, cloud security

NEW PRODUCT CASwell, Inc. was founded in 2007 to create dynamic system solutions for embedded applications. While CASwell is a young company, it became part of the Ennoconn and Foxconn Groups in 2014 and has proved to deliver with advanced technology, professional service and superior design and manufacturing capability by offering a great portfolio of network devices for NFV, SD-WAN and similar solutions.

www.cas-well.com

Cavirin

N 4210

DevSecOps, risk & vulnerability assessment, governance risk & compliance, cyber-insurance, cloud security, artificial intelligence/machine learning, GDPR

Cavirin is a global provider of risk, cybersecurity and compliance posture intelligence for the enterprise hybrid cloud. Cavirin is the only organization that delivers machine learning driven CyberPosture intelligence for the hybrid cloud by providing real-time risk and cybersecurity posture management and continuous compliance, while further integrating security into DevOps.

www.cavirin.com

CDW

N 4126

CDW is a leading multibrand technology solutions provider to business, government, education and healthcare organizations in the United States, Canada and the United Kingdom. A Fortune 500 company with multinational capabilities, CDW was founded in 1984 and employs more than 8,600 coworkers. For more information about CDW, please visit: www.cdw.com

Centrify

N 6445

DevSecOps, zero trust, password management, insider threats, infrastructure security, identity management & governance, behavioral analytics, artificial intelligence/machine learning, access control

Centrify is redefining the legacy approach to privileged access management by delivering cloud-ready Zero Trust Privilege to secure modern enterprise use cases. Centrify Zero Trust Privilege helps customers grant least privilege access based on verifying who is requesting access, the context of the request and the risk of the access environment. By implementing least privilege access, Centrify minimizes the attack surface, improves audit and compliance visibility, and reduces risk, complexity and costs for the modern, hybrid enterprise. Over half of the Fortune 100, all trust Centrify to stop the leading cause of breaches—privileged credential abuse.

www.centrify.com

CenturyLink

S 1927

Artificial intelligence/machine learning, threat management, security analytics, orchestration & automation, network security, managed security services, log management, denial of service, cloud security, botnets

The more you see, the more you can stop. CenturyLink's expansive global network delivers the threat visibility and cloud-based security you need to protect critical business data and applications. We are transforming the network into a threat sensor and active defense platform to prevent, detect and block threats before they become business impacting events. Visit CenturyLink, South Expo booth S 1927.

www.centurylink.com/business.html

CERT Division at Software Engineering Institute, Carnegie Mellon University

S 2227

DevSecOps, software code vulnerability analysis, secure coding, risk management, insider threats, governance risk & compliance, forensics & e-discovery, critical infrastructure, business continuity & disaster recovery, artificial intelligence/machine learning

CERT® helps ensure that appropriate technology and systems management practices are used to resist attacks on networked systems, limit damage and ensure continuity of critical services in spite of attacks. The CERT Division and the CERT Coordination Center has built partnerships worldwide to increase internet security awareness, responsiveness and education/training.

www.sei.cmu.edu

Check Point Software Technologies Ltd. N 4519, N 6079

Ransomware, network security, mobile security, intrusion prevention/detection, infrastructure security, endpoint security, data security, data loss prevention, cloud security, anti-malware

Check Point Software Technologies Ltd. (www.checkpoint.com) is a leading provider of cybersecurity solutions to corporate enterprises and governments globally. Its solutions protect customers from fifth-generation cyberattacks with an industry-leading catch rate of malware, ransomware and other targeted attacks. Check Point offers a multilevel security architecture with our new Gen V advanced threat prevention that protects all networks, cloud and mobile operations of a business against all known attacks combined with the industry's most comprehensive and intuitive single point of control management system. Check Point protects over 100,000 organizations of all sizes.

www.checkpoint.com

Checkmarx

S 1453

DevSecOps, software code vulnerability analysis, secure coding, risk & vulnerability assessment, application security

Checkmarx is the Software Exposure Platform for the enterprise. 1,400+ organizations rely on Checkmarx to manage software security risk at the speed of DevOps. Checkmarx serves five of the world's top 10 software vendors, four of the top American banks, and many government organizations and Fortune 500 enterprises. Visit: www.checkmarx.com

Chronicle ★

S 2251

Artificial intelligence/machine learning, threat intelligence, security intelligence, security awareness, security & threat visualization, malware, incident response, hackers & threats, cloud security, big data analytics

Chronicle was born in 2016 as a project within X, Alphabet's moonshot factory. We aim to give enterprises, and the people within them, tools to win the fight against cybercrime. Our cybersecurity intelligence platform can help organizations better manage and understand their own data, provide greater insights into areas of likely vulnerability, and give security teams time to protect themselves.

<http://chronicle.security>

CipherCloud

N 4503

CipherCloud, a leader in cloud security, provides end-to-end protection for data resident in the cloud. Our cloud access security broker (CASB+) delivers comprehensive visibility, data security, threat protection and compliance for cloud-based assets.

www.ciphercloud.com

Circadence ★

N 6583

Artificial intelligence/machine learning, security & threat visualization, penetration testing, hackers & threats

Circadence® is a leader in next-generation cybersecurity education and training. Circadence provides a fully immersive, AI-powered cybersecurity training and assessment platform for government and enterprise organizations. Circadence's solutions modernize cybersecurity training with an advanced online gaming platform that delivers persistent, immersive and real-to-life experiences.

www.circadence.com

Cisco Systems

N 6045

Ransomware, threat intelligence, intrusion prevention/detection, incident response, hackers & threats, firewalls, endpoint security, cloud security, big data analytics, access control

Cisco (NASDAQ: CSCO) is the worldwide technology leader that has been making the Internet work since 1984. Our people, products and partners help society securely connect and seize tomorrow's digital opportunity today. Cisco integrates security across the network, endpoint, cloud, Internet and email for a more effective security posture that sees a threat once and protects against it everywhere. With a portfolio of products designed to fit and work together we keep organizations safer, respond faster and deliver automation for a force multiplier effect for IT teams so IT resources go farther. The Talos Group, Cisco's elite Threat Intelligence and Research Group, detects and correlates threats in real time using the world's largest threat detection network, protecting against known and emerging cybersecurity threats to better protect the Internet.

www.cisco.com/go/security

Cisco Umbrella

S 1027

Ransomware, threat intelligence, security intelligence, policy management, managed security services, incident response, endpoint security, cloud security, cloud access security brokers (CASB), anti-malware

Cisco Umbrella is a cloud security platform that provides the first line of defense against threats on the Internet wherever users go. And because it's built into the foundation of the Internet and delivered from the cloud, Umbrella is the simplest security product to deploy and delivers powerful, effective protection.

<https://umbrella.cisco.com>

Citrix

S 961

Citrix aims to power a world where people, organizations and things are securely connected and accessible to make the extraordinary possible. We help customers reimagine the future of work by providing the most comprehensive secure digital workspace that unifies the apps, data and services people need to be productive, and simplifies IT's ability to adopt and manage complex cloud environments.

www.citrix.com

Cleafy Srl

N 4311

Anti-malware, web services security, threat intelligence, security analytics, mobile security, malware, hackers & threats, governance risk & compliance, botnets, behavioral analytics

NEW PRODUCT Cleafy protects online services against advanced attacks from unmanaged endpoints, by delivering real-time threat detection and adaptive protection based on patented deterministic malware detection and behavioral analysis without any change to managed applications. Cleafy has been successfully adopted by leading corporate and retail banks for preventing frauds while minimizing false positives.

www.cleafy.com

Only Digital Guardian gives the 1-2 punch of **EDR** and **DLP** to knock out threat actors



“Leader”
Magic Quadrant
Enterprise DLP

Gartner

“Leader”
Forrester Wave™
EDR

FORRESTER

Visit us at booth S 743 in the South Expo

DIGITAL GUARDIAN

EXHIBITING COMPANIES

Clearswift

N 4631

GDPR, insider threats, hackers & threats, governance risk & compliance, endpoint security, encryption strategy & trends, data security, data loss prevention, data lakes, PII

Clearswift is trusted by organizations globally to protect critical information. Our unique technology supports a straightforward and “adaptive” data loss prevention solution that avoids the risk of business interruption and enables organizations to gain visibility and control of critical information flowing through digital collaboration channels.
www.clearswift.com

Cloud Security Alliance

S 1535

www.cloudsecurityalliance.org

Code42

S 1359

Data security, incident response, forensics & e-discovery, endpoint security

Code42 is the leader in data loss protection, visibility and recovery solutions. Native to the cloud, the Code42 Next-Gen Data Loss Protection solution rapidly detects insider threats, helps satisfy regulatory compliance requirements and speeds incident response—all without lengthy deployments, complex policy management or blocks on user productivity. For more information, visit:
www.code42.com

Cofense

N 4436, S 1243

Anti-malware, threat intelligence, social engineering, security awareness, phishing, managed security services, malware, incident response, consulting & professional services, anti-spam

Cofense, formerly PhishMe, is the leading provider of human-driven phishing defense solutions worldwide. Our collective defense suite combines best-in class incident response technologies with timely attack intelligence sourced from employees. Cofense enables thousands of global organizations to stop attacks in progress faster and stay ahead of breaches. Learn more at:
www.cofense.com

Comcast Business

N 4320

www.business.comcast.com

Comodo Cybersecurity

S 1727

SIEM, threat intelligence, orchestration & automation, managed security services, endpoint security, cloud security, artificial intelligence/machine learning, application security, anti-spam, anti-malware

NEW PRODUCT Where preventing all cyberattacks is impossible, Comodo Cybersecurity delivers innovative solutions to protect organizations on endpoints and LANs, across the web and cloud. Comodo secures customer systems and data against all types of threats, including zero-day attacks. For over 20 years Comodo spans 193 countries, protects 100 million endpoints and serves 200,000 customers and businesses worldwide.

www.enterprise.comodo.com/partners

CompTIA

S 3206

Cryptography, security operations, security architecture, security analytics, risk management, risk & vulnerability assessment, penetration testing, network security, incident response, exploit of vulnerability

NEW PRODUCT CompTIA is the world’s leading not-for-profit technology association. CompTIA provides networking, education, thought leadership, certifications and is an advocate for technology companies and IT professionals. CompTIA’s programs foster workforce skills development and generate critical knowledge and insight—building the foundation for technology’s future.
www.comptia.org

Contrast Security

N 6578

DevSecOps, cloud security, application security

Contrast Security enables applications to automatically detect and fix vulnerabilities, identify attacks, and defend themselves. Contrast employs security instrumentation to strengthen applications before they deploy, protect in production and provide visibility throughout the application lifecycle. More information can be found at:

www.contrastsecurity.com

Corelight

N 4308

Network security, threat intelligence

Corelight is the most powerful network visibility solution that helps information security professionals better understand their network traffic and detect and stop cyber attacks. The Corelight Sensor appliance provides organizations with an easy-to-deploy, enterprise-grade version of Zeek (formerly Bro), the powerful open source framework that generates rich, real-time logs of all network traffic.

www.corelight.com

Corero Network Security

S 1853

Cyberterrorism, network security, managed security services, hackers & threats, denial of service

Corero Network Security is a leader in real-time, high-performance DDoS defense solutions. Organizations rely on Corero’s award-winning technology to eliminate the DDoS threat through automatic detection and mitigation, coupled with complete network visibility, analytics and reporting. This industry-leading technology provides cost-effective and scalable protection against DDoS attacks.

www.corero.com

Coronet Cyber Security ★

S 147

www.coro.net

Corsa ★

S 2454

Cloud security, threat intelligence, software defined networking, security operations, security architecture, security analytics, network security, intrusion prevention/detection, infrastructure security, encryption strategy & trends

Corsa is the leading provider of security service load balancers for service chaining physical and virtual network security functions. This lets networks scale their inspection to 100 percent traffic visibility without impacting network throughput performance. Even with SSL/TLS encrypted traffic, Corsa platforms work with existing security functions to give security architects 100 percent traffic inspection.

www.corsa.com

CoSoSys

N 5477

GDPR, privacy, legislation, insider threats, government regulations, governance risk & compliance, endpoint security, data loss prevention, audit, access control

Endpoint Protector is an advanced all-in-one data loss prevention solution for Windows, macOS and Linux, that puts an end to data leaks and data theft and offers seamless control of portable storage devices. Its content filtering capabilities for data at rest and in motion range from file type to predefined content based on dictionaries, regular expressions or regulations such as GDPR, HIPAA, etc.

<http://endpointprotector.com>

CounterCraft

S 3342

Data loss prevention, threat management, threat intelligence, security intelligence, network security, intrusion prevention/detection, insider threats, incident response, hackers & threats, deception-based security

NEW PRODUCT CounterCraft empowers organizations to strengthen their security posture more efficiently. The Cyber Deception Platform facilitates threat hunting and early threat detection, accelerates incident response, and significantly reduces security spend. Our award-winning solution provides detailed insights in to lateral movements and enables users to understand their adversaries' motivations and mindset.

www.countercraft.eu

cPacket Networks

S 3210

Cloud security, software defined networking, security architecture, security analytics, orchestration & automation, network security, incident response, firewalls, critical infrastructure

NEW PRODUCT cPacket's network packet brokering solution for security tools, is network visibility you can trust. Only cPacket inspects, filters and reports on all the packets delivering reliable real-time data to security tools without packet drops. cPacket delivers the relevant data to security tools with guaranteed performance, reducing tool overload and cost, helping decrease time to threat identification.

www.cpacket.com

Cradlepoint

N 4319

Internet of Things, software defined networking, network security, managed security services

NEW PRODUCT Cradlepoint is the global leader in software-defined 4G LTE network solutions for always-on connectivity for people, places, and things—anywhere. Cradlepoint's cloud-based platform combines software-defined networking and radio technologies with virtualized services to deliver 4G LTE and overlay networks that are secure, end-to-end, agile to deploy, and ultra-reliable.

www.cradlepoint.com

Crossmatch (part of HID Global)

N 5461

SSO, password management, insider threats, identity theft, identity management & governance, fraud, biometrics, behavioral analytics, authentication, access control

Crossmatch helps organizations solve identity management challenges through advanced authentication solutions. DigitalPersona provides the broadest set of risk-based authentication options allowing IT administrators to create the right security posture for each user, each application and each device.

www.crossmatch.com

CrowdStrike

N 5458, S 1435

Artificial intelligence/machine learning, threat intelligence, security services, security intelligence, mobile security, incident response, endpoint security, consulting & professional services, cloud security, behavioral analytics

CrowdStrike is the leader in cloud-delivered endpoint protection. Leveraging artificial intelligence, the CrowdStrike Falcon® platform offers instant visibility and protection across the enterprise and prevents attacks on endpoints on or off the network. It seamlessly unifies next-gen AV with best-in-class endpoint detection and response, backed by 24/7 managed hunting. Powered by the CrowdStrike Threat Graph™, Falcon instantly correlates over one trillion security events per week from across the globe to immediately prevent and detect threats.

www.crowdstrike.com

opentext™ | Security

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Predictive detection and response for demanding security environments

Continuous monitoring | Advanced detection | Forensic-grade response

RSA®Conference2019

San Francisco | March 4–8 | Moscone Center

Booth
N 6353
North Expo



EXHIBITING COMPANIES

Cryptsoft

S 2457

PII, standards, key management, encryption strategy & trends, data security, cryptography, critical infrastructure, cloud security, application security

Cryptsoft is an Australian OEM supplier that delivers key management interoperability protocol (KMIP) and P11 technology, services and designs for simplified, lower-cost, trusted vendor-agnostic cryptographic and interoperable key management security solutions to global enterprises for their storage, security and cloud products. Cryptsoft is an OASIS Foundational Sponsor and FIDO alliance member.

www.cryptsoft.com

CSPI

N 6480

DevSecOps, network security, government regulations, governance risk & compliance, data security, data loss prevention, cryptography, application security, PII, GDPR

Organizations trust CSPI to secure critical assets from breach. Our award-winning ARIA SDS solution works on-prem and in the cloud to protect PII data—no matter how it's accessed or used. ARIA secures DevOps applications and provides visibility into all network traffic to automatically verify and stop threats, while applying infosec policies to increase security posture. Visit:

www.cspi.com/security

CyberArk

N 6253

DevSecOps, security operations, password management, insider threats, endpoint security, cloud security, authentication, audit, application security, access control

CyberArk, the #1 provider of privileged access security, provides a critical layer of IT security to protect data, infrastructure and assets across the enterprise, in the cloud and throughout the DevOps pipeline. CyberArk delivers the most complete solution to reduce risk created by privileged credentials and secrets. The company is trusted by the world's leading organizations, including more than 50 percent of the Fortune 100, to protect against external attackers and malicious insiders, and address audit and compliance requirements. CyberArk is the only public company 100 percent focused on privileged-access security, delivering innovative solutions to stay one step ahead of attackers.

www.cyberark.com

Cyberbit

S 449

Critical infrastructure, security operations, risk management, risk & vulnerability assessment, professional development & workforce, orchestration & automation, operational technology (OT Security), infrastructure security, incident response, endpoint security

A world-leading provider of cyber-ranges for cybersecurity training and simulation. Cyberbit offers a unique platform provides consolidated detection and response protecting an organization's entire attack surface across IT, OT and IoT networks. Cyberbit's investors include Elbit Systems (NASDAQ: ESLT) and Claridge Israel with offices in Israel, US, Europe and Asia.

www.cyberbit.com

Cybereason

S 327

Ransomware, security services, malware, incident response, endpoint security, data lakes, behavioral analytics, artificial intelligence/machine learning, anti-malware

Cybereason, creators of the leading AI threat-hunting platform, gives the advantage back to the defender through a completely new approach to cybersecurity. Cybereason offers endpoint detection and response (EDR), next-generation antivirus (NGAV) and active monitoring services, all powered by its proprietary data analytics platform.

www.cybereason.com

CyberGRX

S 3424

Data security, supply chain, risk management, risk & vulnerability assessment, hackers & threats

CyberGRX provides organizations and their third parties with the most cost-effective and scalable approach to third-party cyber-risk management today. Built on the market's first global cyber-risk exchange, CyberGRX arms organizations with a dynamic stream of third-party data and advanced analytics so they can efficiently and collaboratively manage risk in their shared ecosystems.

www.cybergrx.com

Cyberinc ★

S 2362

Ransomware, zero trust, zero day vulnerability, web services security, phishing, malware, endpoint security, anti-malware

Cyberinc helps you experience a safer internet by proactively stopping web, email, and document-based threats. Cyberinc's Isla platform uses cutting-edge isolation technology to neutralize threats and prevent them before they have a chance to act, simplifying the security strategy and delivering immediate protection. Cyberinc is trusted by businesses of all sizes and governments around the world.

www.cyberinc.com

CyberInt

S 355

SIEM, threat intelligence, security services, penetration testing, managed security services, insider threats, incident response, hackers & threats, fraud, forensics & e-discovery

CyberInt provides managed detection and response services to digital businesses in retail, gaming and financial industries. Leveraging Argos™ Digital Risk Protection Platform, a global cyber-analyst team, managed SOC, threat hunting, deep investigations, real-time incident response and cyber readiness assessments, CyberInt provides holistic end-to-end protection to digital enterprises.

www.cyberint.com

CyberVista

S 3205

Governance risk & compliance, professional development & workforce

CyberVista provides cybersecurity training, education and workforce development. With a mission is to arm organizations and individuals with the knowledge and skills they need to defend against ever-evolving cyberthreats, we offer cybersecurity training for the boardroom, the SOC and everywhere in between.

www.cybervista.net

Cyigna Labs Corp

S 3329;

GDPR, identity management & governance, governance risk & compliance, cloud security, audit

Cyigna Labs is a leading provider of compliance solutions that grant unparalleled visibility across Microsoft-hybrid IT infrastructures. Built from the ground up to protect data regardless of its location, Cyigna Auditor delivers insight into user behavior, system configuration and data sensitivity. For more information, visit:

www.cygnalabs.com

Cylance

N 6145

Internet of Things, zero-day vulnerability, threat management, threat intelligence, security & threat visualization, forensics & e-discovery, endpoint security, consulting & professional services, artificial intelligence/machine learning, anti-malware

Cylance® develops artificial intelligence to deliver prevention-first, predictive security products and smart, simple, secure solutions that change how organizations approach endpoint security. Cylance provides full-spectrum predictive threat prevention and visibility across the enterprise to combat the most notorious and advanced cybersecurity attacks, fortifying endpoints to promote security hygiene in the security operations center, throughout global networks, and even on employees' home networks. With AI-based malware prevention, threat-hunting, automated detection and response, and expert security services, Cylance protects the endpoint without increasing staff workload or costs. We call it the Science of Safe.

www.cylance.com

Cymmetria

S 3310

www.cymmetria.com

Cyxtera

N 5883

Cyxtera Technologies combines a worldwide footprint of 57 best-in-class data centers with a portfolio of modern, cloud- and hybrid-ready security and analytics offerings—providing more than 3,500 enterprises, government agencies and service providers an integrated, secure and resilient infrastructure platform for critical applications and systems.

www.cyxtera.com

D3 Security

N 6342

www.d3security.com

DarkOwl

N 4414

Data lakes, threat intelligence, security intelligence, security awareness, risk management, identity theft, identity management & governance, hackers & threats, governance risk & compliance, fraud

DarkOwl is the leading provider of darknet data intelligence. Companies and government agencies partner with DarkOwl to access the largest, most up-to-date, criminally relevant darknet database available.

www.darkowl.com

DataLocker Inc.

N 4325

BYOD, secure payments & cryptocurrencies, policy management, government regulations, endpoint security, encryption strategy & trends, data security, cloud security, application security, GDPR

NEW PRODUCT DataLocker is an innovative provider of encryption solutions. DataLocker offers encryption products such as external storage, cloud encryption gateways and central management services for governments, military and enterprises worldwide. Headquartered in Overland Park, Kansas, DataLocker products combine superior convenience and usability with state-of-the-art security.

datalocker.com

DataPassports

N 4606

www.datapassports.com

VENAFI®

Booth N 6359

V

Are you protecting your machine identities as well as your human identities?

Ask Venafi, the market leader in machine identity protection.

Trusted by the world's largest, most security-conscious organizations.

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EXHIBITING COMPANIES

DataSunrise Database Security

N 6558

GDPR, privacy, infrastructure security, governance risk & compliance, firewalls, data security, cloud security, audit, application security, PII

NEW PRODUCT

DataSunrise Data and Database Security is data-centric high-performance security software for real-time sensitive and private data protection, auditing, discovery, compliance with privacy law, SOX, HIPAA, ISO27001, PCI, GDPR. Includes Database Firewall, Data Masking (Dynamic and Static), Data Auditing / Database Activity Monitoring, Data Discovery. In cloud AWS, Azure, Google or on-prem. Compliance automation.

www.datasunrise.com

DBAPPSecurity

S 1964

Internet of Things, zero-day vulnerability, threat intelligence, security awareness, firewalls, cloud security, big data analytics, audit, artificial intelligence/machine learning, application security

DBAPPSecurity is a pioneering information security products, service and solution provider in China. Being an industry leader dedicated to cloud security, application security, big data security, smart city security and other cutting-edge sectors, DBAPPSecurity was selected to the Cybersecurity Ventures 500 List in 2015, and remained in the leading position among Chinese vendors ever since then.

www.dbappsecurity.com

Deep Secure

N 5352

GDPR, zero day vulnerability, malware, intrusion prevention/detection, insider threats, data loss prevention, cloud security, anti-spam, anti-malware, Ransomware

Deep Secure's technology is unsurpassed, addressing a significant gap in the market for being able to defeat all content threats without the need to examine or isolate traffic. Deep Secure's "Content Threat Removal" protects information systems, enabling organisations to Click, Share and Transact in perfect safety. Deep Secure is a UK company, with offices in Worcestershire and Central London.

www.Deep-Secure.com

Dell Technologies

N 4535

Ransomware, security services, security consulting, data security, consulting & professional services

Dell Technologies is a unique family of businesses that provides the essential infrastructure for organizations to build their digital future.

www.delltechnologies.com

Deloitte

S 1747

DevSecOps, intrusion prevention/detection, incident response, governance risk & compliance, data security, data loss prevention, cyber-warfare & cyber-weapons, critical infrastructure, cloud security, GDPR

Investments in security are at an all-time high. Yet, cyberattacks are still on the rise—both in number and sophistication. Technology innovation can vastly accelerate performance but also open new doors for cybercriminals. We can help you lead, navigate and disrupt in a complex cyber-landscape to emerge stronger and more secure than ever.

www.deloitte.com/us/cyber

Demisto

N 4515

Artificial intelligence/machine learning, threat management, security operations, phishing, orchestration & automation, managed security services, incident response, cloud security

Demisto is the only Security Orchestration, Automation and Response (SOAR) Platform that combines orchestration, incident management and interactive investigation into a seamless experience. By using Demisto, security teams can build future-proof security operations to reduce MTTR, create consistent incident management processes and increase analyst productivity.

www.demisto.com

Denim Group

N 6184

DevSecOps, software code vulnerability analysis, penetration testing, network security, mobile security, managed security services, consulting & professional services, cloud security, application security, Internet of Things

Denim Group is focused on building a world where technology is trusted. Our software development background helps us bridge the gap between security and software development. ThreadFix, our flagship product, builds on our extensive history of application and information security consulting to accelerate the process of vulnerability remediation.

www.denimgroup.com

Department for International Trade

S 1847

Department for International Trade helps UK cybersecurity organizations do more business internationally. We help UK companies to increase their presence in overseas markets, overcome difficulties in getting into markets, develop supply chain opportunities, partner internationally in technology development, promote opportunities arising from prime contractor's supply chains.

Participating companies:

- Cambridge Quantum Computing
- Department for International Trade
- Deteque, a division of Spamhaus
- Invest Northern Ireland
- LORCA
- Pen Test Partners
- Privitar
- Spherical Defence
- UM-Labs

www.trade.gov.uk

Department of Homeland Security, Cybersecurity & Communications

S 1249

www.dhs.gov/cybersecurity

Department of Homeland Security, Science & Technology

S 1565

www.dhs.gov/cyber-research

Devo ★

S 2445

Artificial intelligence/machine learning, threat management, security operations, security intelligence, security analytics, security & threat visualization, log management, incident response, cloud security, behavioral analytics

Devo Technology is the data engine of digitally driven, security-aware enterprises. The Devo Data Operations Platform helps security, IT and business teams at the world's largest organizations monitor and analyze real-time data while leveraging historical context for incident response, threat hunting and forensic analysis in a single, integrated platform.

www.devo.com

DFLabs ★

S 3104

GDPR, threat management, threat intelligence, security operations, orchestration & automation, intrusion prevention/detection, infrastructure security, incident response, hackers & threats, artificial intelligence/machine learning

DFLabs is an award-winning and recognized global leader in security orchestration, automation and response (SOAR) technology. Its flagship product, IncMan SOAR, has been adopted by Fortune 500 and Global 2000 organizations worldwide. DFLabs has operations in Europe, North America and EMEA. For more information, connect on Twitter @DFLabs or visit:

www.dflabs.com

DH2i ★

S 3139

Application security, zero trust, virtualization, containerization & segmentation, software defined networking, network security, infrastructure security, hackers & threats, data security, cloud security, business continuity & disaster recovery

DH2i Company is an enterprise software company dedicated to enabling customers to create an IT infrastructure that is "always-secure and always-on" with our multi-platform Software Defined Perimeter and Smart Availability™ solutions. We enable enterprise applications to connect securely and move freely among on-premises and cloud environments with our flagship software, DxEnterprise and DxOdyssey.
<http://dh2i.com>

DigiCert

S 335

www.digicert.com

Digital Defense, Inc.

N 6478

Cloud security, threat intelligence, social engineering, security awareness, risk & vulnerability assessment, penetration testing, network security, managed security services, exploit of vulnerability, endpoint security

Serving clients since 1999, Digital Defense's Frontline. Cloud, the original Security SaaS platform, delivers accuracy and efficiencies through multiple systems including Frontline Vulnerability Manager™, Frontline Web Application Scanning™, Frontline Active Threat Sweep™ and Frontline Pen Test™, while SecurED®, the company's security awareness training, promotes employees' security-minded behavior.
www.digitaldefense.com

Digital Guardian

S 743

GDPR, threat management, security awareness, insider threats, incident response, forensics & e-discovery, endpoint security, data security, data loss prevention

Digital Guardian provides the industry's only data protection platform that is purpose built to stop data theft from both insider threats and external adversaries. The Digital Guardian platform performs across the corporate network, endpoints and cloud applications and is buttressed by a big data security analytics cloud service, to make it easier to see and block all threats to sensitive information. This platform is recognized as a "Leader" in the Gartner Magic Quadrant for Enterprise Data Loss Prevention as well as a "Leader" in the Forrester Wave for Endpoint Detection and Response.

www.digitalguardian.com

Digital Pocket LLC

N 5558

www.digitalpocket.com

Digital Shadows

N 4421

Hackers & threats, threat intelligence

NEW PRODUCT Digital Shadows protects organizations from digital risks across the widest range of data sources within the open, deep and dark web including data loss detection, online brand security and attack surface reduction. Visit www.digitalshadows.com for a free seven-day test drive, giving you access to the SearchLight service, named "The Leader" in 2018 Forrester New Wave for Digital Risk Protection.
www.digitalshadows.com

SYNOPSYS®

Build secure,
high-quality
software faster

Visit Synopsys at
Booth S 1135



EXHIBITING COMPANIES

Distil Networks

N 4605

Distil Networks, the global leader in bot mitigation, protects websites, mobile apps, and APIs from automated threats. Distil's approach provides the vigilant service, superior technology, and industry expertise needed for full visibility and control over this abusive traffic. With Distil, there is finally a defense against automated attacks that is as adaptable and vigilant as the threat itself.

www.distilnetworks.com

DivvyCloud Corporation ★

N 4207

DevSecOps, risk management, risk & vulnerability assessment, policy management, orchestration & automation, infrastructure security, governance risk & compliance, exploit of vulnerability, cloud security, GDPR

DivvyCloud minimizes security and compliance risk by providing virtual guardrails for security, compliance, and governance to customers like General Electric, Discovery Communications and Fannie Mae who embrace the dynamic, self-service nature of public cloud and container infrastructure (AWS, Azure, GCP, Alibaba and Kubernetes).

www.divvycloud.com

DNIF

N 4300

SIEM, security operations, security analytics, orchestration & automation, insider threats, incident response, governance risk & compliance, data lakes, big data analytics, artificial intelligence/machine learning

DNIF is a first of its kind next gen SIEM with advanced security analytics and response automation that's built on big data analytics platform for real-time threat detection and response. It provides SOAR, UEBA, security analytics, threat hunting and security data lake solutions on a single platform to bring in process efficiency, better manageability and reduced risks.

www.dnif.it

DomainTools

S 127

Artificial intelligence/machine learning, threat intelligence, phishing, orchestration & automation, network security, incident response, fraud

DomainTools helps security analysts turn threat data into threat intelligence. We take indicators from your network and connect them with nearly every active domain on the Internet. Fortune 1000 companies, global government agencies, and leading security solution vendors use the DomainTools platform as a critical ingredient in their threat investigation and mitigation work.

www.domaintools.com

Duo Security

S 1835

BYOD, zero trust, network security, mobile security, endpoint security, data security, cloud security, authentication, application security, access control

Duo Security, now part of Cisco, is the leading provider of Trusted Access security and multi-factor authentication. Duo is a trusted partner to more than 14,000 customers globally, including Dresser-Rand, Etsy, Facebook, Paramount Pictures, Random House, Zillow and more. Visit duo.com to find out more.

www.duo.com

Echosec

S 566

EclecticIQ ★

S 3125

SIEM, threat management, threat intelligence, security operations, security & threat visualization, risk management, risk & vulnerability assessment, orchestration & automation, incident response, hackers & threats

EclecticIQ enables intelligence-powered cybersecurity for government organizations and commercial enterprises. We develop analyst-centric products that align our clients' cybersecurity focus with their threat reality. And we tightly integrate our solutions with our customers' IT security controls and systems. The result is intelligence-led security, improved detection, prevention and response.

www.eclecticiq.com

edgescan

S 3224

DevSecOps, web services security, security intelligence, security consulting, security analytics, network security, metrics, infrastructure security, cloud security, application security

NEW PRODUCT

edgescan provides fullstack vulnerability intelligence via a cloud-based SaaS platform. All vulnerabilities are validated by security experts resulting in provision of virtually false positive free vulnerability management.

www.edgescan.com

Edgewise Networks

S 3332

Artificial intelligence/machine learning, zero trust, security intelligence, hackers & threats, data loss prevention, cloud security

Edgewise is the industry's first zero trust platform that stops breaches in the data center and cloud. It protects workloads and prevents attackers' lateral movements by allowing only verified software to communicate. Using machine learning, Edgewise recommends adaptive policies that eliminate 98% of the network attack surface and protect the rest.

www.edgewise.net

Egis Technology

S 3326

www.egistec.com

Egnyte ★

S 2267

GDPR, infrastructure security, governance risk & compliance, data security, data loss prevention, cloud security

Egnyte delivers secure content collaboration, compliant data protection and simple infrastructure modernization, all through a single SaaS solution.

www.egnyte.com

Egress ★

N 4134

GDPR, risk management, privacy, insider threats, government regulations, governance risk & compliance, data security, data loss prevention, artificial intelligence/machine learning, PII

Egress helps enterprises protect unstructured data to meet compliance requirements and drive business productivity. The company's AI-powered platform enables users to control and secure the data they share. The award-winning solution provides email and document classification, accidental send prevention, email and file protection, secure online collaboration, and audit and compliance reporting.

www.egress.com

Elasticsearch, Inc.

S 2453

eLearnSecurity

N 4226

Application security, threat intelligence, professional development & workforce, penetration testing, mobile security, intrusion prevention/detection, incident response, forensics & e-discovery, exploit of vulnerability, endpoint security

NEW PRODUCT

eLearnSecurity has proven to be a leading innovator in the field of practical security training. Best of breed virtualization technology, in-house projects such as Coliseum Web Application Security Framework and Hera Network Security Lab have changed the way students learn and practice new skills.

www.elearnsecurity.com

Endgame

S 1827

Ransomware, threat management, threat intelligence, phishing, network security, malware, incident response, endpoint security, anti-malware

Endgame's endpoint protection platform brings certainty to security with the most powerful scope of protections and simplest user experience, ensuring analysts of any skill level can stop targeted attacks before information theft. For more information visit:

www.endgame.com

Engage Black

N 4228

Internet of Things, secure coding, physical security, network security, key management, encryption strategy & trends, cryptography, authentication, application security, PII

Engage Black is a manufacturer of FIPS-140-2 Level 3 HSMs and CAs that secure critical infrastructures and encrypt data assets by keeping cryptographic keys and digital identities safe. Our recently expanded BlackVault line of HSMs are integral to tactical military and commercial deployments such as PKI, key management, code/document signing, IIoT, network security, and identity and access management.
www.engageblack.com

enSilo ★

S 2245

GDPR, orchestration & automation, managed security services, malware, incident response, endpoint security, data security, anti-malware, Ransomware

enSilo's single lightweight security agent gives customers comprehensive pre-infection next generation antivirus (NGAV) as a first line of defense and post-infection automated, blocking-enabled EDR as a last line of defense, enabling security teams to contain attacks, prevent data leakage and block malware communications in real time to stop post-infection impact.
www.ensilo.com

Envieta ★

N 6586

Quantum computing, security consulting, security architecture, network security, key management, infrastructure security, digital rights management, cryptography, critical infrastructure, cloud security

Envieta's mission is to secure our clients systems by employing hard-earned hardware, software and cryptographic expertise. Through our world-class hardware security modules (HSMs) and tailored service offerings, Envieta empowers organizations to achieve lasting digital security.
www.envieta.com

Equinix

S 3305

Business continuity & disaster recovery, software defined networking, physical security, managed security services, key management, infrastructure security, encryption strategy & trends, denial of service, data security, cloud security

Equinix, Inc. connects the world's leading businesses to their customers, employees and partners inside the most-interconnected data centers. In 52 markets across five continents, Equinix brings companies together safely and securely, in today's digital economy where interconnection is essential to success, to realize new opportunities and accelerate their business, IT and cloud strategies.
www.equinix.com

Ericom

N 6574

Anti-malware, web services security, social engineering, phishing, network security, endpoint security, application security

NEW PRODUCT Ericom secures and connects the digital workspace with innovative solutions that protect endpoints and networks from even unknown threats and increase enterprise productivity by optimizing desktop and application delivery. Ericom is a recognized pioneer in browser isolation, secure remote access and zero-trust browsing.
www.ericomshield.com

eSentire, Inc.

S 1547

GDPR, threat intelligence, security operations, network security, managed security services, incident response, governance risk & compliance, endpoint security, cloud security, artificial intelligence/machine learning

NEW PRODUCT eSentire® is the largest pure-play managed detection and response (MDR) service provider, keeping organizations safe from constantly evolving cyberattacks that technology alone cannot prevent. Protecting more than \$5 trillion in corporate assets, eSentire absorbs the complexity of cybersecurity, delivering enterprise-grade protection and the ability to comply with growing regulatory requirements.
www.esentire.com

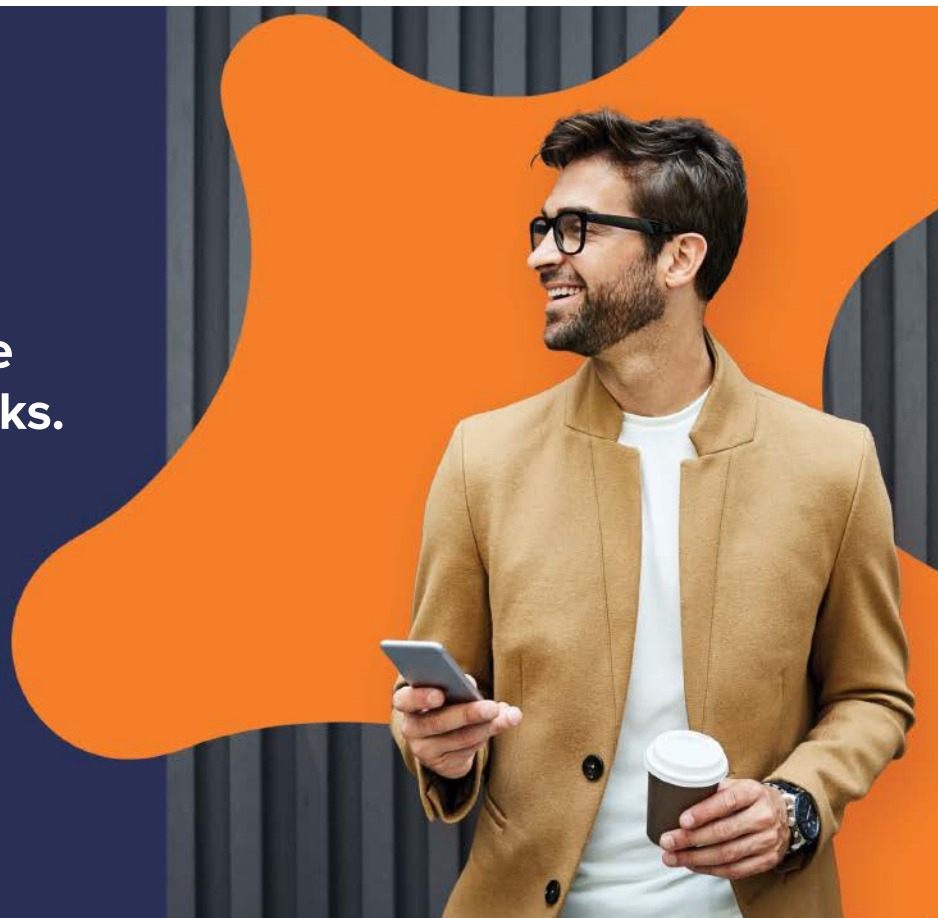


Protecting people and businesses around the world from cyberattacks.

Wherever you connect to the internet, Avast keeps you safe online with the largest AI-enhanced threat detection network in the world.

Visit us at booth N 5771 in the North Expo

And join Ondrej Vlcek, CTO at Avast, who will speak on "The Risks of Shadow IoT in the Corporate Environment" on Wednesday, March 6 at 9 am at the Marriott Hotel.



EXHIBITING COMPANIES

- ESET** **N 5345**
GDPR, security services, managed security services, malware, incident response, exploit of vulnerability, endpoint security, data security, artificial intelligence/machine learning, Ransomware
For 30 years, ESET® has been developing industry-leading IT security software and services for businesses and consumers worldwide. With solutions ranging from endpoint and mobile security, to encryption and two-factor authentication, ESET's high-performing, easy-to-use products give consumers and businesses the peace of mind to enjoy the full potential of their technology. ESET unobtrusively protects and monitors 24/7, updating defenses in real-time to keep users safe and businesses running without interruption. Backed by R&D centers worldwide, ESET becomes the first IT security company to earn 100 Virus Bulletin VB100 awards, identifying every single "in-the-wild" malware without interruption since 2003.
www.eset.com
- EventTracker by Netsurion** **S 1167**
Ransomware, threat intelligence, security & threat visualization, risk management, network security, managed security services, log management, endpoint security, data security, SIEM
EventTracker, a Netsurion company, empowers organizations to successfully predict, prevent, detect and respond to cybersecurity threats. The EventTracker SIEM platform unifies machine learning, behavior analytics and security orchestration, and has been recognized by Gartner on the Magic Quadrant for SIEM. EventTracker offers a suite of SIEM solutions built for any size company or budget.
www.eventtracker.com
- Everbridge** ★ **S 2433**
Incident response, orchestration & automation
www.everbridge.com
- Evident ID** ★ **S 143**
GDPR, policy management, identity theft, identity management & governance, hackers & threats, government regulations, data security, data loss prevention, blockchain & distributed ledger, PII
Evident provides a simple, secure platform that lets businesses confidently know who they're dealing with, without the risk and expense of handling sensitive personal data. From identity and credential verifications to background checks and everything in between, businesses of all sizes can get the answers they need—easily and securely. Join us at RSA 2019 to start running verifications today!
- Exabeam** **S 1261**
SIEM, threat intelligence, security operations, security intelligence, log management, insider threats, data loss prevention, data lakes, behavioral analytics, artificial intelligence/machine learning
www.exabeam.com
- Exosphere Inc.** **N 4334**
Anti-malware, zero-day vulnerability, security intelligence, patch management, malware, hackers & threats, data security, data loss prevention, cyberterrorism
Exosphere is the first UTM endpoint protection solution for SMBs. It offers unmatched breadth and depth of unified endpoint protection for both PCs and data, managed through a simple console. Exosphere combines the most complete layers of protection including PC healthcheck, web control, DLP, and data backup and restore with broad protection against all critical attack vectors including malware, ransomware, phishing and insider threats.
www.exospheresecurity.com
- ExtraHop Networks** **S 1427**
Artificial intelligence/machine learning, security operations, security architecture, security analytics, network security, incident response, encryption strategy & trends, cloud security
ExtraHop provides enterprise cyber-analytics that deliver security and performance from the inside out. Whether you're investigating threats, ensuring delivery of critical applications or securing your cloud investment, ExtraHop's breakthrough approach helps you rise above the noise so you can protect and accelerate your business.
www.extrahop.com
- F5 Networks** **S 643**
DevSecOps, threat intelligence, phishing, network security, mobile security, hackers & threats, governance risk & compliance, firewalls, cloud security, application security
F5 (NASDAQ: FFIV) gives the world's largest businesses, service providers, governments and consumer brands the freedom to securely deliver every app, anywhere—with confidence. F5 delivers cloud and security application services that enable organizations to embrace the infrastructure they choose without sacrificing speed and control. For more information, go to f5.com. You can also follow @f5networks on Twitter or visit us on LinkedIn and Facebook for more information about F5, its partners and technologies.
www.f5.com
- Farsight Security** **S 3343**
Farsight Security provides domain and IP intelligence and a host of other DNS intelligence data. Our flagship, DNSDB, is used by security teams to qualify, enrich and correlate cyberattack data to save time during an investigation and remediation. Our solutions expose cybercriminals by illuminating their infrastructure. We observe DNS resolutions worldwide.
www.farsightsecurity.com
- Fasoo** **S 955**
GDPR, risk management, insider threats, hackers & threats, government regulations, governance risk & compliance, digital rights management, data security, Ransomware, PII
Fasoo provides unstructured data security and enterprise document platforms that enable customers to protect, control, trace and analyze critical business information while enhancing productivity. Fasoo's market-leading unstructured data security solutions have been deployed enterprise-wide to more than 1,300 organizations globally, securing more than 2.5 million users.
www.fasoo.com
- Federal Bureau of Investigation** **S 3400**
www.fbi.gov
- Feitian** **S 2127**
Access control, secure payments & cryptocurrencies, password management, network security, mobile security, key management, infrastructure security, identity management & governance, blockchain & distributed ledger, authentication
Feitian Technologies is a public company with product lines featuring smart cards, EMV chip cards, payment terminals and user authentication solutions for secure online banking and transaction security. Our end-to-end turnkey solutions include secure hardware, operating systems, middleware, software application and services such as personalization and remote lifecycle management.
www.ftsafe.com

Fidelis Cybersecurity

S 1441

Data loss prevention, threat management, security operations, network security, managed security services, incident response, hackers & threats, endpoint security, deception-based security, data security

Fidelis Cybersecurity is a leading provider of threat detection, hunting and response solutions. We combat cybercrime, data theft and espionage by providing full visibility across hybrid cloud/on-prem environments, automating threat and data theft detection, empowering threat hunting and optimizing incident response with context, speed and accuracy.

Visit us at:

www.fidelisecurity.com

FIDO Alliance, Inc.

S 3319

The 250+ member, cross-industry FIDO Alliance provides specifications and certifications to enable an interoperable ecosystem of on-device authenticators that can be used for simpler, stronger authentication to many compliant mobile apps and websites.

<https://fidoalliance.org/about/overview>

FireEye

N 5959

SIEM, threat intelligence, network security, managed security services, incident response, endpoint security, data security, consulting & professional services, cloud security

FireEye is the only cyber security company that combines the automation of world-class technology with the power of unparalleled frontline human expertise, including industry-recognized services and nation-state grade threat intelligence. We put it all at your fingertips in a unified security operations platform that integrates and analyzes data from your security assets in order to give you real answers about the threats that matter. Best of all, you are not alone. Our experts can function as an extension of your security team—on a click, by phone, or in your corner when you need them most.

www.fireeye.com

FireMon

S 443

Access control, security architecture, security analytics, security & threat visualization, risk & vulnerability assessment, policy management, orchestration & automation, network security, firewalls, cloud security

FireMon delivers continuous security for hybrid enterprises through a fusion of vulnerability management, continuous compliance and orchestration. Since creating the first-ever network security management solution 15 years ago, FireMon solutions have delivered visibility into and control over complex network security infrastructure, policies and risk for more than 1,500 customers worldwide.

www.firemon.com

Flashpoint ★

S 1759

Consulting & professional services, threat intelligence, social engineering, risk management, risk & vulnerability assessment, physical security, insider threats, incident response, hackers & threats, fraud

Flashpoint delivers business risk intelligence (BRI) that empowers organizations to combat threats and adversaries. The company's sophisticated technology, advanced data collections, and human-powered analysis enable enterprises and the public sector to bolster cybersecurity, fight fraud, confront insider threats, enhance physical security, and address vendor risk and supply chain integrity.

www.flashpoint-intel.com

Flexera

N 4524

Flexera is reimagining the way software is bought, sold, managed and secured. We view the software industry as a supply chain, and make the business of buying and supplying software and technology asset data more profitable, secure and effective. Visit us at www.flexera.com.

www.flexerasoftware.com

tufin

The Security Policy Company



Implement Security Changes
in Minutes Instead of Days



Reduce Complexity of Managing
Hybrid and Fragmented
Networks



Ensure Continuous Compliance
with Security Standards

Visit Tufin at booth N 5777 to learn how more than 2,000 enterprises achieve business agility with continuous compliance using an automated, policy-driven approach to security.

EXHIBITING COMPANIES

Flowmon Networks

S 154

Behavioral analytics, threat management, security operations, security analytics, security & threat visualization, network security, insider threats, infrastructure security, denial of service, cloud security

Flowmon Networks empowers businesses to manage and secure their computer networks confidently. Through our high performance network monitoring technology and lean-forward behavior analytics, IT pros worldwide benefit from absolute network traffic visibility to enhance network and application performance and deal with modern cyberthreats.

www.flowmon.com

Fluency Corp.

N 4529

GDPR, threat intelligence, security analytics, risk & vulnerability assessment, privacy, orchestration & automation, cloud security, behavioral analytics, artificial intelligence/machine learning, PII

Fluency is an advanced central log management and analytics cloud solution that meets privacy and compliance requirements delivering unmatched speed, scalability, data retention and storage capacity not available through SIEMs. Fluency's patented database, correlation and risk scoring technology is the only fully industry compliant offering that achieves privacy regulations through our pseudonym model.

<https://fluencysecurity.com>

Forcepoint

N 5969

GDPR, security analytics, network security, insider threats, firewalls, data security, data loss prevention, critical infrastructure, cloud security, behavioral analytics

Forcepoint is transforming cybersecurity by focusing on what matters most—people's behavior as they interact with critical data and systems. This human-centric approach frees employees to innovate by understanding the normal rhythm of user behavior and the flow of data in and out of an organization and only enforces security policies when elevated risk is detected at an individual level. Forcepoint's behavior-based solutions provide risk-adaptive security to protect network users and cloud access, prevent confidential data from leaving the corporate network, and eliminate breaches caused by insiders. Based in Austin, Texas, Forcepoint helps secure thousands of enterprise and government customers in more than 150 countries.

www.forcepoint.com

ForceShield

N 4114

Internet of Things, zero-day vulnerability, threat management, intrusion prevention/detection, hackers & threats, fraud, denial of service, cloud security, botnets, application security

NEW PRODUCT The dynamic application guardian for web/mobile and IoT. The traditional signature-based security technologies were failing in the face of evermore frequent and sophisticated automated attacks. ForceShield developed new bot management technology—Dynamic Transformation—that shifted the security approach from reactive to proactive protection while increasing complexity and cost for attackers.

www.forceshield.com

ForeScout

N 5983

ForeScout Technologies is transforming security through visibility, providing Global 2000 enterprises and government agencies with agentless visibility and control of traditional endpoints, IoT devices and operational technologies the instant they connect to the network. Our technology continuously assesses, remediates and monitors devices and works with disparate security tools to help accelerate incident response, break down silos, automate work flows and optimize existing investments. As of March 31, 2018, more than 2,800 customers in over 80 countries improve their network security and compliance posture with ForeScout solutions. See devices. Control them. Orchestrate system-wide threat response. Learn how at:

www.forescout.com

ForgeRock

N 5576

DevSecOps, privacy, password management, identity management & governance, authentication, access control, SSO, Internet of Things, GDPR

ForgeRock® is the Digital Identity Management company transforming the way organizations build trust and securely interact with customers, employees, devices and things. Organizations adopt ForgeRock to monetize customer relationships, address stringent regulations for privacy and consent (GDPR, HIPAA, open banking, etc.), and leverage the IoT. We serve hundreds of brands, including Morningstar, Vodafone, GEICO and Toyota, and governments worldwide. Follow us at @ForgeRock and: www.forgerock.com

Fortanix

N 4518

Application security, virtualization, containerization & segmentation, policy management, operational technology (OT Security), key management, governance risk & compliance, data security, cryptography, cloud security, blockchain & distributed ledger

NEW PRODUCT Fortanix, the Runtime Encryption® company, introduced the first commercial solutions utilizing Intel SGX. RTE: The industry's first data-in-use encryption solution, running both as a cloud service (IBM Data Shield) and on-prem. SDKMS: A distributed, cloud-scale, integrated key management, tokenization and HSM platform. Scales automatically, easy to use and featuring the lowest TCO in the industry.

www.fortanix.com

Fortinet, Inc.

N 5869

www.fortinet.com

Fudo Security

N 6442

GDPR, password management, key management, insider threats, identity theft, identity management & governance, data security, authentication, artificial intelligence/machine learning, access control

Fudo Security is a leading privileged access management solutions firm, one of a select few in the world situated at the highest echelons of the industry. Our global customers include financial institutions, energy companies as well as the public sector. Our distribution channel covers a network of 80 partners across 30 countries, with the HQ located in Bay Area (Newark, CA).

www.fudosecurity.com

Futurex

S 343

Internet of Things, security architecture, secure payments & cryptocurrencies, key management, endpoint security, encryption strategy & trends, data security, cryptography, cloud security, application security

For over 35 years, Futurex has been a globally recognized provider of hardened, enterprise-class data security solutions. Over 15,000 customers worldwide have trusted Futurex's innovative Hardened Enterprise Security Platform and the VirtuCrypt Hardened Enterprise Security Cloud to provide market-leading solutions for the encryption, storage, transmission and certification of sensitive data.

www.futurex.com

G2 Crowd ★

S 134

Internet of Things, supply chain, standards, social networking, security awareness, infrastructure security, consulting & professional services

Until recently, selecting business solutions was hard, risky and inherently biased. G2 Crowd empowers business buying decisions by highlighting the voice of the customer. Our review platform leverages more than 500,000 independent and authenticated user reviews read by more than 2 million buyers each month. Our model brings transparency to B2B buying—changing the way decisions are made.

www.g2.com

Garner Products

S 2063

GDPR, zero trust, risk management, policy management, network security, government regulations, data security, cloud security, audit

Garner Products is the trusted world-leading innovator in designing, manufacturing and selling of data elimination equipment and data destruction services. Our products ensure your data is unrecoverable and data theft protected! Protect your data from security breaches from stored, stockpiled, discarded, and recycled magnetic and solid-state media that you thought was erased.

<https://garnerproducts.com>

Garrison ★

N 4304

Ransomware, phishing, malware, endpoint security, data loss prevention, anti-malware

Garrison has pioneered an innovative security platform to counter the threat of persistent and targeted attacks which exploit corporate Internet connectivity. Garrison's approach to secure browsing uses hardware to provide risk-free web access that is commercially affordable, highly secure, and delivers a great user experience at scale.

www.garrison.com

Gemalto

N 5564

Internet of Things, secure payments & cryptocurrencies, key management, identity management & governance, encryption strategy & trends, data security, cryptography, cloud security, authentication, SSO

Gemalto is the global leader in digital security, with 2017 annual revenues of €3 billion and customers in over 180 countries. We bring trust to an increasingly connected world. From secure software to biometrics and encryption, our technologies and services enable businesses and governments to authenticate identities and protect data so they stay safe and enable services in personal devices, connected objects, the cloud and in between. Our solutions authenticate people, transactions and objects, encrypt data and create value for software.

<https://safenet.gemalto.com>

General Dynamics Mission System ★

S 131

Genians

N 6564

BYOD, risk & vulnerability assessment, policy management, patch management, orchestration & automation, network security, managed security services, endpoint security, access control, Internet of Things

Genians provides next-gen Network Access Control (NAC) through its Device Platform Intelligence (DPI) technology, ensuring full visibility of all IP-enabled devices and the highest levels of security and compliance without disrupting existing infrastructure. Genians provides on-premise and cloud-based deployment options, as well as a dedicated solution for MSSPs.

www.genians.com

Georgia, USA

S 1665

Internet of Things, professional development & workforce, government regulations, consulting & professional services

NEW PRODUCT With more than 115 cybersecurity companies generating over \$4.7 billion annually, Georgia serves as one of America's elite cyber-hubs, ranking No. 3 in the nation for info security. Georgia is home to US Army Cyber Command, Facebook's \$42 billion data center, and six of the 10 largest payment processing firms in the nation. For more info visit booth 1665, or:

www.georgia.org/industries/technology

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Making Security More Secure

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You made a promise
to your customers to
keep their data safe.

Let **Spirent** assure
that you keep it.

German Pavilion / TeleTrusT

N 5671

GDPR, security analytics, network security, mobile security, identity management & governance, government regulations, endpoint security, cryptography, application security, Internet of Things

Germany participates with a "German Pavilion" offering a professional brokerage service to help to establish contacts with German companies and comprehensive information on Germany as an important business location.

- 1) Presented by: Federal Ministry for Economic Affairs and Energy (BMWi) – www.bmwi.de
- 2) in cooperation with: AUMA_Association of the German Trade Fair Industry – www.auma.de
- 3) supported by: IT Security Association Germany (TeleTrusT) – www.teletrust.de
- 4) organized by: DEGA Expoteam – www.dega-expoteam.de

TeleTrusT embodies the largest competence network for IT security in Germany and Europe.

Participating companies:

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- ADVA Optical Networking
- Avira Operations GmbH & Co. KG
- befine Solutions AG
- Bundesamt für Sicherheit in der Informationstechnik
- Bundesdruckerei GmbH
- Bundesministerium des Innern, für Bau und Heimat
- CISP-Helmholtz-Zentrum (i.G.) GmbH
- CV Cryptovision GmbH
- DETACK GmbH
- eco Verband der Internetwirtschaft e.V.
- Hornetsecurity GmbH
- ITConcepts Professional GmbH
- itWatch GmbH
- Matrix 42 AG
- MB connect line GmbH
- MTG AG
- NCP engineering
- QGroup GmbH
- QuoScient GmbH
- Search Guard
- Secomba GmbH
- secunet Security Networks AG
- TÜV Informationstechnik GmbH

www.teletrust.de

www.rsac.german-pavilion.com

Gigamon

S 1447

PII, zero-day vulnerability, software defined networking, security awareness, network security, infrastructure security, incident response, governance risk & compliance, critical infrastructure, business continuity & disaster recovery

Gigamon, the recognized leader in network visibility solutions, delivers the powerful insights needed to see, secure and empower enterprise networks. Our solutions accelerate threat detection and incident response while empowering customers to maximize infrastructure performance. Global customers include over 80 percent of the Fortune 100, 2,800+ NetOps and SecOps teams and leading service providers. www.gigamon.com

Global Learning Systems

S 3304

GDPR, security awareness, phishing, Ransomware

NEW PRODUCT Global Learning Systems provides security awareness and compliance training programs for employees that effectively promote behavior change, protect your organization and Strengthen Your Human Firewall®. In addition to carefully tailoring program materials to client needs, we offer an online learning platform, phishing simulation tool, courseware customization and high-touch customer service. www.globallearningsystems.com

GlobalSign

S 1941

BYOD, secure coding, mobile security, key management, identity management & governance, endpoint security, authentication, access control, Internet of Things, DevSecOps

NEW PRODUCT GlobalSign is the leading certificate authority provider of high-scale PKI automation for mixed endpoint environments and trusted identity solutions supporting the billions of services, devices, people and things comprising the Internet of Everything (IoE). The company has offices in the Americas, Europe and Asia. For more information, visit: www.globalsign.com

GoAnywhere MFT

S 150

GDPR, security analytics, orchestration & automation, log management, key management, governance risk & compliance, encryption strategy & trends, data security, data loss prevention, PII

GoAnywhere MFT streamlines and automates file movement through a centralized, user-friendly interface. The software allows organizations to connect to internal and external systems and exchange secured data using industry standard protocols and encryption (e.g. FTPS, SFTP, HTTPS, AS2). Learn more at: www.goanywhere.com

GoSecure CounterTack Inc.

S 1049

Anti-malware, threat management, managed security services, endpoint security, consulting & professional services, behavioral analytics

GoSecure leverages its CounterTack EndPoint Protection Platform (EPP) as well as its unique expertise in behaviorally based threat detection, binary analysis and malware forensics to deliver a full suite of managed detection and response (MDR), incident response (IR), advisory and assessment services. The CounterTack platform also powers the MDR offerings of several market leading global MSSPs. www.countertack.com

GammaTech

N 4127

GammaTech is a leading developer of software-assurance tools and advanced cybersecurity solutions. GammaTech helps organizations develop and release high quality software, free of harmful defects that cause system failures, enable data breaches and increase corporate liabilities in today's connected world. GammaTech's CodeSonar is used by embedded developers worldwide. www.grammatech.com

GreatHorn

N 4200

Ransomware, zero-day vulnerability, threat intelligence, security awareness, phishing, malware, incident response, hackers & threats, anti-malware

GreatHorn simplifies email security by automating the cycle of email security—through continuous threat detection, defense and incident response. Office 365 and G Suite customers not only gain enterprise-class protection against both sophisticated phishing attacks and traditional threats, they also reduce complexity, manual remediation time and negative impact on business operations. www.greathorn.com

GreeNet

S 149

Internet of Things, software defined networking, phishing, network security, governance risk & compliance, denial of service, botnets, big data analytics, anti-malware, access control

Wuhan GreeNet Information Service Co., Ltd., specializes in the communication network traffic processing field, mainly engaged in DPI (Deep Packet Inspection) series products, including two product lines: fixed-line DPI and mobile network DPI, providing various solutions for communication operators, information security systems, etc. www.greenet.net.cn

Ground Labs

N 4425

GDPR, privacy, network security, forensics & e-discovery, endpoint security, data security, cloud security

Ground Labs are global experts in sensitive data discovery. Our software helps companies of all sizes discover, remediate and monitor sensitive personal data across on-premise storage and in the cloud to meet data security standards such as PCI DSS, HIPAA and GDPR.

www.groundlabs.com

GTB Data Protection that Works ★

S 264

GDPR, network security, managed security services, insider threats, endpoint security, digital rights management, data security, data loss prevention, cloud security, behavioral analytics

NEW PRODUCT The leader in data protection, GTB Technologies is an American cybersecurity AI-based technology company focusing on providing enterprise class data protection and data loss prevention solutions. GTB's patented Data Protection that Work solutions cover network and endpoint DLP, EDR, discovery, data classification, DCAP, EDRM, cloud data protection, application control, device control and more.

www.gtbtechnologies.com

Guardicore

N 4324

Application security, zero trust, virtualization, containerization & segmentation, security & threat visualization, risk management, network security, managed security services, incident response, data security, cloud security

Guardicore is an innovator in data center and cloud security that protects your organization's core assets using flexible, quickly deployed and easy-to-understand microsegmentation controls. Our solutions provide a simpler, faster way to guarantee persistent and consistent security—for any application, in any IT environment.

www.guardicore.com

Guardsquare

N 5560

Application security, secure coding, penetration testing, mobile security, malware, hackers & threats

Guardsquare is the global reference in mobile application protection. We develop premium software for the protection of mobile applications against reverse engineering and hacking. Our products are used across the world in a broad range of industries, from financial services, e-commerce and the public sector to telecommunication, gaming and media. GuardSquare is based in Leuven and San Francisco.

www.guardsquare.com

Gurukul

S 2027

SIEM, security intelligence, risk management, orchestration & automation, insider threats, fraud, cloud security, big data analytics, behavioral analytics, artificial intelligence/machine learning

Gurukul helps enterprises protect themselves against cyber-fraud, insider threats and external intruders on-premises and in the cloud. User and entity behavior analytics (UEBA) and identity analytics (IdA) from machine learning anomaly detection and predictive risk-scoring algorithms reduces the attack surface for accounts, unnecessary access rights, and to identify, predict and prevent breaches.

www.gurukul.com

HAProxy Technologies

S 2356

HAProxy Technologies is the company behind HAProxy, the world's fastest and most widely used software load balancer. Use HAProxy products to provide application delivery solutions with the utmost performance, reliability, and security at any scale and in any environment. Learn more at:

HAProxy.com

THE STATE OF THE CONVERSATIONAL ECONOMY

Pindrop® Solutions are leading the way to the future of voice by establishing the standard for security, identity, and trust for every voice interaction.

85% of businesses will use voice technology to communicate with customers within the next year - up from 28% currently



Pindrop® Solutions protect contact centers of some of the biggest banks, insurers, and retailers in the world, helping to detect fraudsters and authenticate callers. Pindrop's solutions can help with reducing fraud and operational costs, lowering call handle times, while improving customer experience and protecting brand reputation.

Leadership's Perspective on Voice Technology



94%

see it as an important driver of customer satisfaction



57%

believe it will increase operational efficiencies while reducing the cost of each customer interaction



88%

believe they will gain a competitive advantage



80%

are concerned about businesses' ability to keep voice-acquired data safe



85%

believe customer fears about misuse of their data will slow the introduction of the technology



82%

predict that consumers will have concerns over fraud



pindrop®

Security is an important factor in how quickly the Conversational Economy will grow.

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discover more about the
FUTURE OF VOICE.

EXHIBITING COMPANIES

Hdiv Security

N 4215

DevSecOps, zero-day vulnerability, web services security, secure coding, mobile security, firewalls, denial of service, cloud security, application security, access control

Hdiv Security, a pioneer enabling application self-protection, is the first product in its class offering protection against security bugs and business logic flaws throughout the software development lifecycle (SDLC). Hdiv Security's unified platform makes DevSecOps a reality. Hdiv's solutions are currently used by government, banking, aerospace and Fortune 500 companies.

<https://hdivsecurity.com>

HID Global

N 4514

HID Global powers the trusted identities of the world's people, places and things. We make it possible for people to transact safely, work productively and travel freely. Our trusted identity solutions give people convenient access to physical and digital places and connect things that can be identified, verified and tracked digitally. Visit:

www.hidglobal.com

Hillstone Networks

S 1347

Ransomware, threat intelligence, risk management, network security, firewalls, cloud security, botnets, behavioral analytics, anti-spam, anti-malware

Founded in 2006, Hillstone Networks delivers innovative, proven and effective network security solutions to 15,000+ customers worldwide. These include Fortune 500 enterprises, financial and educational institutions, government and service providers. Hillstone has been recognized by Gartner five years in a row in its Magic Quadrant for Enterprise Network Firewalls.

www.hillstonenet.com

Hitachi ID Systems

S 3307

BYOD, password management, network security, insider threats, identity management & governance, governance risk & compliance, data security, cloud security, authentication, GDPR

Hitachi ID Systems delivers access governance and identity administration solutions to organizations globally. Hitachi ID solutions are used by Fortune 500 companies to manage identities, entitlements and authentication factors in the enterprise and in the cloud. The Hitachi ID Management Suite includes Identity Manager, Password Manager and Privileged Access Manager.

www.hitachi-id.com

Humio ★

S 2439

DevSecOps, metrics, log management, incident response, hackers & threats, data security, data lakes, big data analytics, audit, GDPR

Real-time monitoring and visualisation of security issues and threats. Humio is a log management platform designed for comprehensive security event analysis, On-Premises or Hosted. The innovative technologies provide a cost-competitive solution that requires significantly less hardware, engineering resources, and licensing costs than other SIEMs and log management platforms. Free Trial available!

www.humio.com

Hypersecu Information Systems, Inc.

N 5484

BYOD, mobile security, identity theft, hackers & threats, data security, cryptography, cloud security, authentication, access control

Hypersecu Information Systems Inc. is an expanding solution provider dedicated to two-factor authentication and public key infrastructure. Our goal is to give everyone the security and peace of mind they deserve. We strive to keep a low total cost of ownership and work with easily integrated open source protocols such as OATH and FIDO U2F.

www.hypersecu.com

HyTrust

S 3121

GDPR, privacy, policy management, key management, insider threats, governance risk & compliance, encryption strategy & trends, data security, cloud security, access control

HyTrust's mission is to make cloud infrastructure more trustworthy for enterprises, service providers and government agencies. HyTrust provides security controls for visibility, policy control and data protection. HyTrust customers benefit from accelerating cloud adoption while improving their security posture by enforcing security policies, automating compliance and preventing unplanned outages.

www.hytrust.com

IAPP (International Association of Privacy Professionals)

S 162

IBASE Technology

N 4136

Access control, security analytics, risk management, cloud security

NEW PRODUCT

IBASE offers network appliances for network security, web multimedia, PC over IP, remote access server, web communication center, mobile phone plus WiFi router and IP TV applications. Current product offerings include network appliances featuring four to 66 high-speed Gigabit Ethernet ports and expansion module cards for faster, multifunction and more flexible networking configurations.

www.ibase.com.tw

IBM Security

N 5759

SIEM, threat management, security services, security intelligence, penetration testing, orchestration & automation, incident response, identity management & governance, data security, artificial intelligence/machine learning

Traditional security defenses are no match for today's well-funded attackers, while disruptive technologies, like cloud and IoT, introduce new vulnerabilities to exploit. IBM Security, with 8,000 professionals in 133 countries, delivers an immune system of security technology to detect and prevent threats and respond quickly and completely to breaches.

During the past decade, IBM has invested more than \$2 billion on security research and development, resulting in 3,700+ security-related patents, and acquired 20 security companies to build out its portfolio. Today, IBM Security addresses the evolving security landscape and 17,000 clients' most critical needs with AI innovation in the cloud and intelligent orchestration.

www.ibm.com/security

iboss

N 5553

GDPR, security architecture, network security, malware, hackers & threats, data security, data loss prevention, critical infrastructure, cloud security, cloud access security brokers (CASB)

The iboss cloud secures user Internet access on any device, from any location, in the cloud. Shift the focus from following perimeters to following users so that consistent cloud security is applied while users are in the office or on the road.

www.iboss.com

Idaptive

S 235

BYOD, zero trust, password management, mobile security, cloud security, behavioral analytics, artificial intelligence/machine learning, application security, access control, SSO

Idaptive delivers Next-Gen Access, protecting organizations from data breaches through a zero-trust approach. Idaptive Next-Gen Access is the only industry-recognized solution that uniquely converges SSO, adaptive MFA, EMM and user-behavior analytics. With Idaptive, organizations elevate their security by intelligently limiting access to only verified users and validated devices.

www.idaptive.com

IEI Technology USA Corp. ★

N 5478

Orchestration & automation, virtualization, containerization & segmentation, software defined networking

IEI is a leading industrial computer provider in computer-based applications that are served as our own brand products as well as ODM in vertical markets. IEI leverages our industries experience and now extends the product line for proprietary network appliance and uCPE.

www.ieiworld.com

Illumio

N 5344

Application security, zero trust, virtualization, containerization & segmentation, software defined networking, security & threat visualization, risk & vulnerability assessment, policy management, governance risk & compliance, firewalls, cloud security

Illumio, the leader in microsegmentation, prevents the spread of breaches inside data center and cloud environments. The Illumio Adaptive Security Platform® uniquely protects critical information with real-time application dependency and vulnerability mapping coupled with microsegmentation that works across any data center, public cloud or hybrid cloud deployment on bare-metal, virtual machines, and containers.

www.illumio.com

Illusive Networks

S 1335

Critical infrastructure, threat management, threat intelligence, risk & vulnerability assessment, network security, insider threats, forensics & e-discovery, endpoint security, deception-based security, data loss prevention

Illusive's deception-based technology blunts advanced, targeted cyberattacks—preempting threats by reducing the attack surface, detecting and disrupting lateral movement early, and enabling real-time forensics while adding virtually no operational overhead. With Illusive, technology-dependent organizations avoid disruption, losses and function with greater confidence in today's complex, hyper-connected world.

www.illusivenetworks.com

ImageWare Systems Inc. ★

S 364

Application security, network security, mobile security, infrastructure security, identity theft, endpoint security, data security, cloud security, biometrics, authentication

NEW PRODUCT We provide end-to-end identity proofing, authentication, and management solutions (SaaS and on-premises). Our unique Digital Identity Platform with patented technology provides ultra-scalable, secure, anonymous biometric solutions using nearly any vendor's biometrics. We solve the problem responsible for over 80 percent of data breaches by replacing/strengthening passwords with biometrics and MFA.

www.iwsinc.com

Imperva

S 527

DevSecOps, web services security, threat management, security analytics, risk management, hackers & threats, data security, data loss prevention, cloud security, application security

Imperva is an analyst-recognized, cybersecurity leader—championing the fight to secure data and applications wherever they reside. Once deployed, our solutions proactively identify, evaluate and eliminate current and emerging threats, so you never have to choose between innovating for your customers and protecting what matters most. Imperva—protect the pulse of your business.

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EXHIBITING COMPANIES

Infoblox

N 5684

Ransomware, threat intelligence, network security, malware, firewalls, denial of service, data security, data loss prevention, critical infrastructure, cloud security

Infoblox leads the way to next-level networking with Secure Cloud-Managed Network Services. Infoblox brings next-level security, reliability and automation to cloud and hybrid systems, setting customers on a path to a single pane of glass for network management. Next-level security helps protect against the rising flood of cyberattacks, leveraging 14 billion threat indicators and 30 plus API security integrations. Infoblox is the market leader with 8,000 customers worldwide and 350 of the Fortune 500, running the world's most sophisticated networks.

www.infoblox.com

Information Systems Security Association (ISSA) S 156

www.issa.org

InfoSec Institute ★

N 4303

Anti-malware, social engineering, security awareness, professional development & workforce, privacy, phishing, hackers & threats, governance risk & compliance, fraud, anti-spam

InfoSec Institute fortifies organizations and their employees against security threats with award-winning security and privacy education. Recognizing cybersecurity is everyone's job, the company provides skills development and certification training for IT and security professionals while building the entire workforce's security aptitude through awareness training and phishing simulations.

www.infosecinstitute.com

Infosecurity Magazine

N 6341

Ransomware, threat intelligence, standards, professional development & workforce, firewalls, data loss prevention, cyberterrorism, critical infrastructure, cloud security, big data analytics

Infosecurity Magazine has over 12 years of experience providing knowledge and insight into the information security industry. Its multiple award-winning editorial content provides insight online and in print on trends, analysis and expert opinion. Infosecurity Magazine also provides free educational content, endorsed by all major industry accreditation bodies—an essential resource for professionals.

www.infosecurity-magazine.com

Innodisk USA Corporation ★

S 2458

Internet of Things, software defined networking, social networking, network security, data security, data loss prevention, cloud security, blockchain & distributed ledger, application security

NEW PRODUCT Featured on Forbes' Asia's 200 Best Under A Billion companies, Innodisk is a service-driven provider of flash memory, DRAM modules and embedded peripheral products for the industrial and enterprise applications. With satisfied customers across various markets, we have set ourselves apart with a commitment to provide customizable, dependable solutions and unparalleled service.

www.innodisk.com/en/index

Inspired eLearning

N 4234

GDPR, social engineering, security awareness, risk management, risk & vulnerability assessment, phishing, hackers & threats, data security, data loss prevention, Internet of Things

Arm your teams with Security First Solutions. Our Security Awareness, Compliance, and HR solutions have trained 9+ million people worldwide over the past 15 years. Our courses engage individuals with high-quality content, helping them learn and retain more. This leads to measurable changes that create a culture of accountability and awareness to mitigate risk.

www.inspiredelearning.com

Intel Corporation

N 6173

Internet of Things, zero-day vulnerability, virtualization, containerization & segmentation, threat intelligence, penetration testing, infrastructure security, data security, cloud security, application security, anti-malware

NEW PRODUCT Intel products contain silicon-enabled security technologies that harden system surfaces to help create a trusted foundation. Together with partners and customers, Intel is helping build the high performance, trusted computing foundation for our data-centric world. Intel collaborates with academia, researchers, innovators and developers to help continuously improve security capabilities and propel the industry forward. At Intel, working to secure our products is an ongoing priority, not a one-time event. Find more information about Intel at newsroom.intel.com and:

www.intel.com

InterCast Staffing

S 3243

Managed security services, security services, security operations, professional development & workforce

www.intercaststaffing.com

Interface Masters Technologies

N 4220

Interface Masters Technologies, based in Silicon Valley, is a leading provider of high-speed embedded products. We design, manufacture and provide support for our network-embedded appliances, smart NICs, server adapter cards with high port density networking offload and bypass functionality for 1G, 10G, 25G, 40G, 50G and 100G markets.

www.interfacemasters.com

InterSet

S 242

Artificial intelligence/machine learning, threat intelligence, security analytics, insider threats, hackers & threats, data security, data loss prevention, cloud security, big data analytics, behavioral analytics

InterSet provides user and entity behavioral analytics (UEBA) that augments existing security tools and empowers security teams to detect, investigate and respond to the threats that matter. InterSet's machine learning threat detection platform measures the unique digital footprint of systems and users, distilling billions of events into a handful of prioritized threat leads. @intersetai

www.interset.com

Intertrust

S 144

www.intertrust.com

Intezer ★

S 2264

Hackers & threats, threat intelligence, security operations, malware, incident response

Intezer is replicating the concepts of the biological immune system into cybersecurity, offering enterprises unparalleled threat detection and accelerated incident response. Intezer provides a fast, in-depth understanding of any file by mapping its code DNA at the "gene" level—offering the most advanced level of malware detection and analysis.

www.intezer.com

Intrinsic ID

S 3327

Internet of Things, security architecture, risk management, key management, infrastructure security, hackers & threats, data security, cryptography, authentication, application security

Intrinsic ID delivers unclonable identities for securing the IoT. BroadKey and QuiddiKey, based on our patented SRAM Physical Unclonable Function (PUF) technology, create unclonable identities for devices that serve as an intrinsic "fingerprint." Enabling users to protect assets at a cost consistent with the use case, Intrinsic ID is well suited to the spectrum of demands among IoT endpoints.

www.intrinsic-id.com

IntSights

S 1067

Ransomware, threat management, threat intelligence, security intelligence, phishing, malware, incident response, identity theft, hackers & threats, fraud

IntSights is revolutionizing cybersecurity with the first of its kind enterprise threat intelligence and mitigation platform that drives proactive defense by turning tailored threat intelligence into automated security action.

www.intsights.com

iovation, A TransUnion Company

S 2057

Application security, threat intelligence, risk management, mobile security, identity theft, identity management & governance, government regulations, fraud, data security, authentication

iovation protects online businesses and their end users against fraud and abuse, and identifies trustworthy customers through a combination of advanced device identification, shared device reputation, device-based authentication and real-time risk evaluation. iovation's database of billions of devices protects 30 million transactions and stops an average of 300,000 fraudulent activities every day.

www.iovation.com

IRM Security

S 3330

ISACA

S 226

GDPR, threat management, security awareness, risk management, penetration testing, malware, government regulations, governance risk & compliance, audit

ISACA® developed Cybersecurity Nexus™ (CSX) to help fill the growing cybersecurity skills gap, provide cybersecurity guidance, training, credentials and career development for professionals at every stage of their careers, and help enterprises develop their cyber-workforce. Our cybersecurity solutions address the global need for skilled cybersecurity professionals.

<https://cybersecurity.isaca.org>

Israeli Pavilion

S 653, S 753

GDPR, risk management, infrastructure security, identity management & governance, endpoint security, data security, critical infrastructure, anti-malware, SIEM, Internet of Things

Israel Cyber Unit, a joint venture between the Israel Export Institute, the Israel National Cyber Directorate and the Ministry of Economy, Foreign Trade Administration, are proud to present the Israel National Pavilion. We will present the most unique and advanced technologies such as Internet of Things, industrial control systems, encryption, and artificial intelligence and machine learning.

Participating Companies:

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- ACID Technologies
- Be Strategic Solutions
- BitDam
- Cognigo
- Coronet Cyber Security (PAV)
- Cy-oT (Cyber of Things)
- Cyabra
- Cyber 2.0 (2015) LTD
- Cynet
- GuardiCore (PAV)
- Illusive Networks (PAV)
- InCyber
- Inteller
- Israeli Pavilion
- ITsMine Ltd
- Luminare Security
- NeuraLegion
- Octopus Systems
- Pcysys
- Perimeter 81
- Radiflow
- ReSec Technologies
- Salt Security
- SCADAfence
- SecBI
- Secret Double Octopus (PAV)
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- Webhose
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www.export.gov.il

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EXHIBITING COMPANIES

iStorage Limited ★

N 4509

GDPR, security services, security awareness, government regulations, encryption strategy & trends, data security, data loss prevention, Ransomware

iStorage is the trusted global leader of PIN authenticated, hardware encrypted data storage devices, that include USB flash drives, HDD and SSD formats. We deliver the most innovative products to securely store and protect data to military specified encryption levels, safeguarding your valuable business information whilst ensuring compliance to regulations and directives.

www.istorage-uk.com

ITProTV ★

S 3110

Cloud security, security services, security awareness, professional development & workforce, penetration testing, network security, infrastructure security, governance risk & compliance, cryptography, consulting & professional services

ITProTV is an online membership platform addressing the global IT skills gap by delivering binge-worthy learning™ to train IT professionals in every stage of their careers. With training that's more like a talk show, you'll watch a subject-matter expert engage with a host and an online audience to create a better-than-classroom experience. Corporate and individual memberships are available.

www.itpro.tv

iTrust

S 3317

Big data analytics, threat management, threat intelligence, security intelligence, security analytics, risk management, metrics, insider threats, hackers & threats, governance risk & compliance

iTrust provides cybersecurity risk ratings and risk intelligence to help businesses build trusted relationships with their vendors, partners and suppliers. iTrust collects and analyzes risk metrics using machine learning and crowdsourced intelligence to deliver 360° vendor security and compliance visibility. iTrust is headquartered in Atlanta, Georgia, and serves clients around the world.

<http://iTrustInc.com>

Ivanti

S 1143

DevSecOps, zero-day vulnerability, patch management, operational technology (OT Security), identity management & governance, exploit of vulnerability, access control, Ransomware

Ivanti simplifies security with unified prevention, detection and response techniques that target your biggest attack vectors. It provides the security controls global experts agree create the highest barriers to modern cyberattacks (including discovery, patch and privilege management, and whitelisting).

www.ivanti.com

Ixia, A Keysight Business

N 6245

Cloud security, virtualization, containerization & segmentation, threat management, threat intelligence, software defined networking, security architecture, network security, infrastructure security, incident response, government regulations

Ixia, a Keysight Business, provides security solutions that make networks and applications stronger through rigorous testing and use of a powerful network visibility platform that delivers security resilience and application intelligence. Enterprises, governments and service providers use Ixia solutions to improve network and security operations (NetOps and SecOps) and IT management through an end-to-end visibility infrastructure that includes physical and virtual networks, applications and security. For more information, visit:

www.ixiacom.com

Janus Technologies, Inc.

N 6567

Anti-malware, security analytics, network security, malware, insider threats, hackers & threats, endpoint security, data security, data loss prevention, behavioral analytics

Janus Technologies, Inc. Enterprise Endpoint Security Solutions.
www.janustech.com

Japan Pavilion ★

S 247

Anti-malware, threat intelligence, security & threat visualization, risk & vulnerability assessment, operational technology (OT Security), network security, mobile security, managed security services, incident response, endpoint security

Eight Japanese companies, Ad-Sol Nissin, dit, Hitachi Systems, Infosec, Interfocus Technologies, NEC, NetSTAR, and National Institute of Information and Communications Technology, exhibit Japanese-made cybersecurity products and services on Japan Pavilion hosted by Japan Network Security Association (JNSA). You are more than welcome to visit our booth and join our Japan reception—Sushi Night—on March 6.

www.jnsa.org/en/aboutus

JASK

S 967

SIEM, threat intelligence, security operations, security intelligence, security architecture, security analytics, security & threat visualization, incident response, data security, artificial intelligence/machine learning

JASK is modernizing security operations to reduce organizational risk and improve human efficiency. Through technology consolidation, enhanced AI and machine learning, the JASK Autonomous Security Operations Center (ASOC) platform automates the correlation and analysis of threat alerts, helping SOC analysts focus on the highest-priority threats, streamline investigations and reduce response times.

www.jask.com

Javelin Networks

N 5367

www.javelin-networks.com

Jazz Networks

N 4402

Artificial intelligence/machine learning, threat intelligence, security & threat visualization, intrusion prevention/detection, insider threats, forensics & e-discovery, endpoint security, data security, data loss prevention, behavioral analytics

Jazz Networks is a cybersecurity analytics platform that protects organizations from data loss by simplifying the complexities of unpredictable human behavior and empowering employees to have better security habits. By combining machine learning with user-centric alarms, security professionals get a true, full-picture of their organization.

www.jazznetworks.com

Jetway Computer Corp. ★

N 4124

Internet of Things, network security, intrusion prevention/detection, firewalls, critical infrastructure

Jetway is a manufacturer of industrial embedded motherboards, barebones and 1U rackmounts with planned lifecycle of seven to 15 years.

www.jetwaycomputer.com

JFrog

S 3112

Jscrambler ★

N 4417

Application security, zero-day vulnerability, security & threat visualization, mobile security, malware, fraud, data security, data loss prevention, botnets

Jscrambler is the leader in client-side application shielding. The company's widely acclaimed innovative security products protect web and mobile hybrid applications of thousands of businesses worldwide. Jscrambler is used by more than 43,000 companies and individuals, across 145 countries, including Fortune 500 businesses in sectors such as finance, advertising, broadcasting and media, and gaming.
<https://jscrambler.com>

Jumio

N 4121

Jumio offers end-to-end identity verification and authentication solutions that help businesses fight fraud, meet compliance mandates and onboard good customers faster. Jumio uses augmented intelligence, AI, machine learning, 3D liveness detection and expert human review to quickly and reliably verify a user's online identity and answer the fundamental question—are you really you?
www.jumio.com

Juniper Networks

N 5859

Internet of Things, software defined networking, security analytics, network security, malware, intrusion prevention/detection, hackers & threats, firewalls, exploit of vulnerability, anti-malware

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.
www.juniper.net

Kaymera Technologies

N 6483

BYOD, physical security, mobile security, intrusion prevention/detection, government spying, governance risk & compliance, endpoint security, critical infrastructure, anti-malware

NEW PRODUCT Kaymera offers enterprises, SMEs and government agencies worldwide the most powerful and versatile Mobile Threat Defense platform, focusing on secure communication for organizations. With a contextual, self-learning risk analytics engine and multilayer mitigation capabilities at its core, the platform can detect, prevent and protect against any mobile threat—in real time.

Keeper Security, Inc.

S 2166

BYOD, risk & vulnerability assessment, password management, mobile security, insider threats, identity management & governance, hackers & threats, access control

Named *PC Magazine's* Best Password Manager for 2018, Keeper is transforming the way businesses around the world protect their employees' passwords and sensitive digital assets to significantly reduce data breaches and cybertheft. Keeper's proprietary zero-knowledge security architecture extends beyond password management to include dark web monitoring, digital file storage and secure messaging.
www.keepersecurity.com

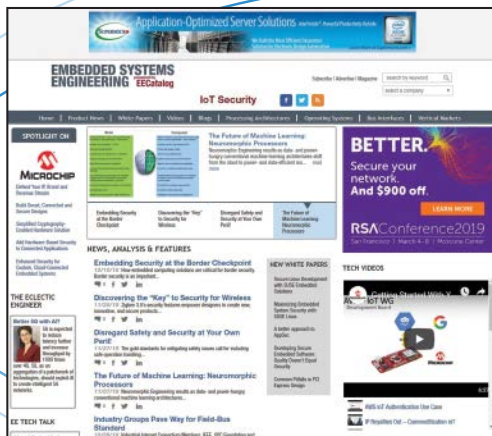
Kenna Security

N 6453

Application security, threat intelligence, risk management, risk & vulnerability assessment, patch management, network security, infrastructure security, endpoint security, data security, cloud security

The Kenna Security Platform is a scalable, cloud-based solution that delivers the most informed and accurate risk prioritization available, enabling security and IT operations teams to take a risk-based approach to vulnerability management. Using predictive modeling technology, the platform can also accurately forecast the future risk of vulnerabilities the instant they're discovered.
www.kennasecurity.com

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www.eecatalog.com/embedded-security

EXHIBITING COMPANIES

KernelCare ★

N 4125

KernelCare is Linux software that automatically installs kernel security patches without rebooting, without affecting system resources, and without interrupting users or processes. It supports many flavors, including Red Hat and Ubuntu. Dell and LiquidWeb are among 1,500+ other customers. KernelCare makes Linux safer by automatically installing security patches as soon as they become available.

www.kernelcare.com

Keyfactor

S 1959

DevSecOps, secure coding, mobile security, infrastructure security, governance risk & compliance, data security, cryptography, cloud security, authentication, application security

Keyfactor, formerly Certified Security Solutions (CSS), is a leading provider of secure digital identity management solutions that enables organizations to confirm authenticity, and ensure the right things are interacting in the right ways in our connected world.

www.keyfactor.com

Kingston Technology

N 4615

BYOD, policy management, mobile security, insider threats, infrastructure security, hackers & threats, governance risk & compliance, endpoint security, data loss prevention, GDPR

Kingston® Technology Company, the independent world leader in memory products, presents its robust line of encrypted USB Flash drives, including its high-end IronKey™ products. The 256-bit AES hardware-based drives are specifically designed to meet the strictest standards and most demanding data-protection needs of sensitive enterprise, healthcare, financial and government information.

www.kingston.com/us

KnowBe4

S 240, N 4624

Ransomware, social engineering, risk management, network security, hackers & threats, governance risk & compliance, fraud

KnowBe4 is the world's largest platform for new-school security awareness training and simulated phishing. KnowBe4 helps organizations manage the ongoing problem of social engineering through a comprehensive new-school awareness training approach. Organizations leverage KnowBe4 to enable employees to make smarter security decisions and create a human firewall as an effective last line of defense.

www.knowbe4.com

KOTRA

S 761

Participating Companies:

- eGlobal Systems
- EYL (Eylpartners)
- F1 Security
- Lin Arena
- Monitorapp Naonworks
- Neowine
- Raonsecure Somansa
- Xabyss

www.kotrasv.org

L.J. Kushner & Associates, LLC

N 5584

DevSecOps, security services, risk management, risk & vulnerability assessment, professional development & workforce, penetration testing, incident response, endpoint security, data security, application security

LJ Kushner and Associates is an executive recruitment firm dedicated to the Information Security industry and its professionals. Since 1999, the firm has provided industry specific recruitment services to clients that include the Fortune 2000, consulting firms, and information security software and service providers. The firm recruits CISOs, information security leaders and technical SMEs.

www.ljkushner.com

Lacework

N 4603

DevSecOps, threat management, risk management, intrusion prevention/detection, insider threats, incident response, cloud security, behavioral analytics, audit, artificial intelligence/machine learning

Lacework is the industry's first solution to bring automation, speed and scale to cloud security. Unlike conventional security tools built for static datacenters, Lacework is designed to self-adapt to the cloud's ever-changing configuration. Just like DevOps automates code deployment, Lacework automates cloud security, empowering IT to continuously keep cloud environments secure and compliant.

www.lacework.net

Lanner Electronics, Inc.

N 4430

Internet of Things, software defined networking, security architecture, physical security, network security, mobile security, intrusion prevention/detection, infrastructure security, firewalls, critical infrastructure

NEW PRODUCT Lanner is the leader in design, engineering and manufacturing services for advanced network appliances and rugged industrial systems. Lanner is well-experienced in providing specifically customized and value-added solutions for many leading brands. We possess the key technologies in software and hardware integrations that bring customer concept into a product with competitive advantage.

www.lannerinc.com

Lastline

S 252

Ransomware, threat intelligence, phishing, network security, incident response, endpoint security, cloud security, artificial intelligence/machine learning

Lastline, Inc., provides innovative AI-powered network security products to detect and defeat advanced cyberattacks from entering and operating within your network. We protect network, email, cloud and web infrastructures, minimizing the risk of costly data breaches with fewer resources and at lower cost. We uniquely apply AI to network traffic and malware behaviors—what we call AI Done Right.

www.lastline.com

LastPass

S 3211

BYOD, zero trust, password management, mobile security, insider threats, data security, cloud security, authentication, access control, SSO

LastPass provides secure password management to reduce the risk of breach and remove employee password frustration. With secure password sharing, customizable policies and comprehensive user management, LastPass gives businesses of all sizes the tools to create an enterprise security posture. Founded in 2008, LastPass is a product of LogMeIn (NASDAQ:LOGM).

www.lastpass.com

Leadman Electronics USA, Inc.

S 2064

Internet of Things, network security, key management, infrastructure security, government regulations, endpoint security, data security, critical infrastructure, cloud security, authentication

NEW PRODUCT Leadman is ODM/OEM Solution Design service for FIPS Level 3, Security Appliance, Networking Appliance and Server system manufacture.

www.leadman.com

Leidos

S 435

www.leidos.com

LifeRaft ★

S 3331

LifeRaft's security intelligence platform, Navigator, combs the web to identify potential threats to your company. The platform automates the collection and analysis of content from open sources—like social media, blogs, chat boards, and the deep and dark web. Threatening posts are identified and alerted on in real-time so your team can prepare and respond to emerging events and data leaks.

liferaftinc.com

LiveAction

N 6242

LiveAction simplifies management of complex enterprise networks through multi-domain and multi-vendor traffic and device monitoring with flow and packet diagnostics. LiveAction delivers end user experience and performance while reducing the time for incident resolution and costs through consolidation for a single pane of glass associated with network management.

www.liveaction.com

LockPath

N 4623

Governance risk & compliance, risk management

Lockpath's Keylight Platform brings visibility to risks frequently managed in disparate sources. It aggregates internal data points from all corners of organizations and from assessments, audits, authoritative sources and external systems. By having everything centralized, correlated and connected, Keylight enables organizations to see interdependencies and make smarter business decisions.

www.lockpath.com

LogicGate, Inc. ★

S 1968

GDPR, risk management, risk & vulnerability assessment, incident response, governance risk & compliance, business continuity & disaster recovery, audit, access control

LogicGate is an agile GRC process automation platform that enables organizations to automate and centralize risk and compliance programs. LogicGate's highly configurable platform assists organizations in transforming mission critical governance, risk and compliance processes without the support of consultants or corporate IT by enhancing controls and increasing flexibility.

www.logicgate.com

LogicHub

S 2450

SIEM, threat intelligence, security operations, security intelligence, security analytics, orchestration & automation, intrusion prevention/detection, infrastructure security, incident response, artificial intelligence/machine learning

LogicHub is the leading Intelligent Security Automation Platform that marries a powerful decision engine to a flexible workflow engine. Proven to deliver 10x the performance of traditional security orchestration automation and response (SOAR) solutions, LogicHub also uniquely provides Automation-On-Demand: a fast, easy, and affordable way to get started.

www.logichub.com

LogPoint ★

S 3202

SIEM, security operations, security analytics, security & threat visualization, network security, log management, forensics & e-discovery, big data analytics, behavioral analytics, artificial intelligence/machine learning

LogPoint SIEM and UEBA provides accelerated detection and response to IT infrastructures of any size. With LogPoint, you will discover a full SIEM enterprise solution that is EAL 3+ certified and tailored to solve specific security management challenges of your business be it compliance, forensics or operational insight.

www.logpoint.com

LogRhythm

S 727

LogRhythm is the pioneer in Threat Lifecycle Management™ (TLM) technology, empowering organizations on six continents to rapidly detect, respond to and neutralize damaging cyberthreats. LogRhythm's TLM platform unifies leading-edge data lake technology, artificial intelligence, security analytics and security automation and orchestration in a single end-to-end solution.

www.logrhythm.com

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Booth S 164

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EXHIBITING COMPANIES

Logz.io

S 2068

Logz.io provides an intelligent and scalable machine data analytics platform built on ELK and Grafana to help engineers monitor, troubleshoot and secure mission-critical applications more effectively.
www.logz.io

LookingGlass

S 2327

Ransomware, threat management, security intelligence, risk management, phishing, network security, managed security services, malware, incident response, deception-based security

NEW PRODUCT LookingGlass Cyber Solutions delivers unified threat protection against sophisticated cyberattacks to global enterprises and government agencies by operationalizing threat intelligence across its end-to-end portfolio. Prioritized, relevant and timely insights enable customers to take action on threat intelligence across the different stages of the attack life cycle.

www.LookingGlassCyber.com

Lookout

S 2239

Mobile security, zero trust, phishing

Lookout is a cybersecurity company for the post-perimeter, cloud-first, mobile-first world. Powered by the largest dataset of mobile code in existence, the Lookout Security Cloud provides visibility into the entire spectrum of mobile risk. Lookout is trusted by hundreds of millions of individual users, enterprises and government agencies and partners. To learn more, visit:

www.lookout.com

Loopio

N 4419

GDPR, data security, data loss prevention

Loopio's RFP response software streamlines the way enterprises respond to RFPs, RFIs and security questionnaires. Our platform makes sales content accessible and enables collaboration across the organization. Since 2014, Loopio has empowered hundreds of world-leading organizations, including Thomson Reuters, IBM, Netskope, Sprinklr and Citrix.

www.loopio.com

LUCY Security, Inc.

S 169

Ransomware, threat management, threat intelligence, social engineering, security consulting, risk & vulnerability assessment, phishing, hackers & threats, cyber insurance, anti-malware

NEW PRODUCT www.lucysecurity.com

Malwarebytes

S 1035

Ransomware, zero-day vulnerability, threat management, phishing, incident response, hackers & threats, exploit of vulnerability, endpoint security, data security, anti-malware

Malwarebytes proactively protects people and businesses against dangerous threats such as malware, ransomware and exploits that escape detection by traditional antivirus solutions. Malwarebytes completely replaces antivirus with artificial intelligence-powered technology that stops cyberattacks before they can compromise home computers and business endpoints. More than 60,000 businesses and millions of people worldwide trust and recommend Malwarebytes solutions. Our team of threat researchers and security experts process emerging and established threats every day, from all over the globe. Founded in 2008, the company is headquartered in California, with offices in Europe and Asia. For more information, please visit us at:

www.malwarebytes.com/business

ManagedMethods

S 3311

PII, risk & vulnerability assessment, privacy, phishing, malware, data security, data loss prevention, cloud security, cloud access security brokers (CASB), application security

ManagedMethods offers the most efficient way to gain visibility into how data is stored, accessed and shared in popular cloud apps, including Google G Suite, Microsoft Office 365, OneDrive and Sharepoint, as well as to secure cloud-based email. ManagedMethods is the only cloud app security solution that can be deployed in minutes with no special training and with no impact on users or networks.

www.managedmethods.com

ManageEngine – A division of Zoho Corp.

S 3410

SIEM, password management, network security, infrastructure security, endpoint security, data security, authentication, application security

ManageEngine delivers real-time management tools for every aspect of IT. Worldwide, established and emerging enterprises—including more than 60 percent of the Fortune 500—rely on ManageEngine to ensure optimal performance of their critical IT infrastructure, including networks, servers, applications, desktops and more. ManageEngine is a division of Zoho Corporation.

www.manageengine.com

MarkMonitor

N 6581

PII, threat intelligence, social engineering, security operations, phishing, incident response, hackers & threats, fraud, cyber-warfare & cyber-weapons, anti-malware

MarkMonitor, the leading enterprise brand protection solution and a Clarivate Analytics flagship brand, provides advanced technology and expertise that protect the revenues and reputations of the world's leading brands. Customers choose MarkMonitor for its unique combination of advanced technology, comprehensive protection and extensive industry relationships.

www.markmonitor.com

Marlabs, Inc.

N 6584

Application security, penetration testing, network security, managed security services, intrusion prevention/detection, infrastructure security, hackers & threats, exploit of vulnerability, endpoint security, cloud security

NEW PRODUCT Marlabs Cybersecurity solutions include risk management to strengthen governance and compliance; threat management to identify vulnerabilities, monitor security events and optimize security devices; BlackOps360 Red Team for goal-oriented penetration testing; and cyberthreat intelligence to analyze information from the clear web, deep web and dark web for detecting emerging threats.

www.marlabs.com

Marvell Semiconductor

S 1161

Marvell's industry-leading intellectual property and deep system-level knowledge remains at the heart of the company's storage, processing, networking, security and connectivity solutions. With groundbreaking infrastructure semiconductor solutions, Marvell continues to transform the enterprise, cloud, automotive, industrial and consumer markets by moving data at speeds never thought possible.

www.marvell.com

McAfee

N 5745

Anti-malware, threat intelligence, security operations, network security, endpoint security, data loss prevention, cloud security, cloud access security brokers (CASB), behavioral analytics, artificial intelligence/machine learning

McAfee is the device-to-cloud cybersecurity company. Inspired by the power of working together, McAfee creates business and consumer solutions that make our world a safer place. By building solutions that work with other companies' products, McAfee helps businesses orchestrate cyber-environments that are truly integrated, where protection, detection and correction of threats happen simultaneously and collaboratively. By protecting consumers across all their devices, McAfee secures their digital lifestyle at home and away. By working with other security players, McAfee is leading the effort to unite against cybercriminals for the benefit of all.

www.mcafee.com

MediaPro, Inc.

N 5354, S 3201

GDPR, security awareness, privacy, phishing, managed security services, malware, incident response, governance risk & compliance, data security, PII, behavioral analytics, anti-malware, Ransomware

MediaPRO reduces your human risk in cybersecurity, privacy and compliance by delivering comprehensive employee awareness programs. What makes us unique is that we map your risks to a framework of analysis, planning, training and reinforcement—all delivered from an integrated cloud-based platform.

www.mediapro.com

Mellanox

N 4528

Internet of Things, network security, infrastructure security, cryptography, artificial intelligence/machine learning

Mellanox Technologies (NASDAQ: MLNX) is a leading supplier of end-to-end Ethernet and InfiniBand smart interconnect solutions and services for servers and storage. Mellanox interconnect solutions increase data center efficiency by providing the highest throughput and lowest latency, delivering data faster to applications and unlocking system performance capability.

www.mellanox.com

Menlo Security

S 2357

DevSecOps, security services, risk & vulnerability assessment, phishing, intrusion prevention/detection, incident response, hackers & threats, endpoint security, cloud security, anti-malware

Menlo Security protects organizations from cyberattack by eliminating the threat of malware from web, email and documents. Menlo Security's cloud-based Isolation Platform scales to deliver comprehensive protection across any size enterprise without requiring endpoint software or impacting user experience. Menlo Security is trusted by major global and Fortune 500 businesses.

www.menlosecurity.com

Messageware – Exchange Security

N 6440

Behavioral analytics, threat management, security intelligence, security awareness, security analytics, phishing, network security, mobile security, endpoint security, data loss prevention

Messageware solutions secure, enhance and customize Microsoft Exchange and Outlook Web. A trusted Microsoft Gold Partner, our software is used by Fortune 100 companies and over 2,500 enterprises worldwide, in all major industries. Our software provides DLP, attachment and logon security, analytics and desktop integration for Outlook Web, allowing companies to securely deploy Microsoft Exchange.

www.messageware.com

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MetricStream S 232

BYOD, supply chain, governance risk & compliance, data security, audit

MetricStream is simplifying governance, risk and compliance (GRC) for modern and digital enterprises. Our market-leading enterprise and cloud apps for GRC enable organizations to strengthen risk management, regulatory compliance, vendor governance and quality management while driving business performance.

www.metricstream.com

Micro Focus N 4508

Application security, risk management, privacy, identity management & governance, governance risk & compliance, data security, cryptography, cloud security, big data analytics

Micro Focus helps you run your business and transform it. Our software provides the critical tools you need to build, operate, secure and analyze your enterprise. By design, these tools bridge the gap between existing and emerging technologies—which means you can innovate faster, with less risk, in the race to digital transformation.

www.microfocus.com

Microsoft N 6059

Microsoft builds security solutions powered by cloud intelligence. Our platform investments are across four categories: identity and access management, information protection, threat protection and security management. We foster a vibrant ecosystem of partners who help us raise the bar across the industry—helping our customers move faster to detect threats, and respond to security breaches across even the largest of organizations.

www.microsoft.com/security

Militus Cybersecurity Solutions S 2360

Artificial intelligence/machine learning, security operations, network security, malware, intrusion prevention/detection, infrastructure security, hackers & threats, exploit of vulnerability, denial of service, behavioral analytics

NEW PRODUCT Militus Inc. delivers the most comprehensive network traffic monitoring and threat detection solution via Unified Security Analytics Manager (USAM). USAM is 100 percent passive and provides richest context. USAM is powered by proprietary “cross-sensor” correlation engine and patented Insight technology. USAM is fully self-contained, portable and operational in minutes.

www.milituscyber.com

Mimecast S 935

Anti-malware, threat intelligence, social engineering, security awareness, phishing, insider threats, data loss prevention, cloud security, business continuity & disaster recovery, anti-spam

Mimecast is a cybersecurity provider that helps thousands of organizations worldwide make email profoundly safer, restoring trust and bolstering business resilience.

www.mimecast.com

Minerva Labs N 4502

Ransomware, zero-day vulnerability, operational technology (OT Security), incident response, endpoint security, deception-based security, cyber-insurance, critical infrastructure, business continuity & disaster recovery, anti-malware

Minerva is an innovative endpoint security solution that protects enterprises from today’s threats (fileless, ransomware, etc.) that are designed to evade existing defenses. For the first time ever the more evasive the malware is the easier for Minerva to block it. Our unique approach to endpoint security already delivering a critical layer of protection to more than 10 million users worldwide.

www.minerva-labs.com

MITRE S 3124

SIEM, threat intelligence, standards, intrusion prevention/detection, infrastructure security, hackers & threats, endpoint security, critical infrastructure, behavioral analytics

MITRE’s mission-driven teams are dedicated to solving problems for a safer world. Through federally funded R&D centers, we work across government and industry to tackle challenges to safety, stability, and economic well-being. MITRE brings cyber-communities together in a conflict-free environment, driving the cooperation and technical innovation needed to tackle today’s enormous cyber-challenges.

www.mitre.org

MobileIron N 6553

BYOD, zero trust, security operations, security architecture, security analytics, security & threat visualization, mobile security, infrastructure security, endpoint security, cloud security

MobileIron is the secure foundation for modern work and the only standalone global leader in unified endpoint management as recognized by top analyst firms, including Gartner, Forrester and IDC. Over 17K global enterprises use MobileIron to secure their most important asset—their data, in a zero-trust environment. MobileIron’s solutions secure all endpoints and the data traveling through them, no matter where the data lives and how the it’s accessed.

www.mobileiron.com

MyWorkDrive N 6587

BYOD, web services security, network security, government regulations, governance risk & compliance, data sovereignty, data security, data loss prevention, cloud security, SSO

MyWorkDrive.com is a software solution for enterprises that adds cloud-like functionality to existing file shares for secure remote access without VPN or migrating to new platforms. Users gain secure file share remote access in minutes without Sync, VPN, RDP or migrating files to the cloud. Secure compliant (HIPAA, GDPR, FINRA, FIPS) file share access with data leak prevention (DLP).

www.myworkdrive.com

NanoVMs, Inc. ★ N 4219

DevSecOps, zero trust, zero-day vulnerability, web services security, virtualization, containerization & segmentation, threat management, security architecture, infrastructure security, cloud security, application security

NEW PRODUCT NanoVMs is the world’s leading unikernel platform enabling every organization to adopt the newest best practices for cloud and on prem environments. NanoVMs can boot any linux binary in seconds with all the runtime application protection that unikernels provide: no users, no shells, no ability run other programs inside the same VM.

<https://nanovms.com>

Napatech S 2257

SIEM, security architecture, network security, intrusion prevention/detection, infrastructure security, endpoint security, data loss prevention, cloud security

Napatech helps companies to reimagine their business by bringing hyperscale computing benefits to IT organizations of every size. Our Reconfigurable Computing Platform™ is based on a broad set of FPGA software for leading IT compute, network and security applications that are supported on a wide array of FPGA hardware designs.

www.napatech.com

National Security Agency (NSA) S 1753

www.nsa.gov

NC4

S 3239

Critical infrastructure, threat management, threat intelligence, security intelligence, security & threat visualization, risk management, incident response, hackers & threats, government regulations

NC4 delivers revolutionary safety and security solutions that empower businesses, government organizations and communities to defend against cyberthreats, collect and disseminate intelligence to mitigate risks, and share information to fight crime and manage incidents.

www.NC4.com

nCipher

S 3106

nCipher Security empowers world-leading organizations by delivering trust, integrity and control to their business critical information and applications. Our cryptographic solutions secure emerging technologies—cloud, IoT, blockchain, digital payments—and help meet new compliance mandates. Visit:

www.ncipher.com

NCP engineering

N 6484

Internet of Things, network security, mobile security, infrastructure security, hackers & threats, government spying, endpoint security, data security, cryptography, cloud security

NEW PRODUCT For more than 30 years, NCP has been focusing on the development of universally applicable software components enabling end devices to easily and securely connect to the corporate headquarters' network via public networks. The remote access VPN solutions are used for mobile computing, branch office networking, M2M and IoT environments.

www.ncp-e.com

Netcope Technologies

S 3339

Cryptography, virtualization, containerization & segmentation, software defined networking, network security, intrusion prevention/detection, firewalls

Netcope Technologies is a leading provider of P4 programmable acceleration for FPGA-based network solutions. Our P4 environment is the only one that offers customers support for either Intel or Xilinx FPGA chips. P4 for FPGAs enables easy programmability of network security solutions such as IDS, IPS, NGFW, DPI and microsegmentation. Netcope P4 will operate at speeds of 10G, 25G, 100G and 200G.

www.netcope.com

NetQuest Corporation ★

S 3230

Big data analytics, threat intelligence, security intelligence, security analytics, network security, intrusion prevention/detection, hackers & threats, data security, data lakes, cyberterrorism

NetQuest provides network visibility solutions for intercept, security surveillance and performance optimization applications in networks operated by governments, NSPs and enterprises. The company mission is to empower customers with the ability to correlate converged network traffic into service oriented flows without distortion, regardless of network speed and without packet loss.

www.netquestcorp.com

NETSCOUT

S 949

DevSecOps, threat management, threat intelligence, security intelligence, security analytics, security & threat visualization, network security, data security, cloud security, application security

NetScout assures digital business services against disruptions in availability, performance and security. Our market and technology leadership stems from combining our patented smart data technology with smart analytics. Our nGenius service assurance solutions and Arbor security solutions transform the way organizations plan, deliver, integrate, test and deploy services and applications.

www.netscout.com



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SAFER
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EXHIBITING COMPANIES

Netskope

S 1647

GDPR, threat management, security awareness, infrastructure security, governance risk & compliance, data security, data loss prevention, cloud security, cloud access security brokers (CASB), application security

Netskope is the leader in cloud security—we help the world's largest organizations take advantage of cloud and web without sacrificing security. Our Cloud XD technology targets and controls activities across any cloud service or website and customers get 360-degree data and threat protection that works everywhere. We call this smart cloud security.

www.netskope.com

Netsparker

N 5580

DevSecOps, zero day vulnerability, web services security, risk & vulnerability assessment, penetration testing, hackers & threats, exploit of vulnerability, data security, cloud security, application security

Netsparker develops an easy-to-use and dead-accurate web vulnerability scanner that can identify vulnerabilities in any type of modern web application, regardless of the architecture it is built with. Many world renowned companies such as Samsung, NASA, Microsoft, ING Bank and Ernst & Young trust and use Netsparker.

www.netsparker.com

NetSPI ★

N 4400

Application security, threat management, risk management, risk & vulnerability assessment, penetration testing, orchestration & automation, network security, mobile security, hackers & threats, cloud security

NetSPI LLC is the leading provider of application and network security testing solutions that supports organizations in scaling and operationalizing their threat and vulnerability management programs. The solution portfolio includes security testing services, vulnerability orchestration software platform and advisory services.

www.netspi.com

Netwrix

N 5465

GDPR, insider threats, governance risk & compliance, data security, behavioral analytics, audit, access control

Netwrix Corporation is a software company focused exclusively on providing IT security and operations teams with pervasive visibility into user behavior, system configurations and data sensitivity across hybrid IT infrastructures to protect data regardless of its location. Over 9,000 organizations worldwide rely on Netwrix to detect and proactively mitigate data security threats, pass compliance audits with less effort and expense, and increase the productivity of their IT teams.

www.netwrix.com

Neustar

N 6371

Data security, threat management, risk management, risk & vulnerability assessment, infrastructure security, identity theft, identity management & governance, governance risk & compliance, fraud, denial of service

Neustar, Inc., is a leading global information services provider driving the connected world forward with responsible identity resolution. Built on a foundation of Privacy by Design, Neustar is depended upon by the world's largest corporations to help grow, guard and guide their businesses with the most complete understanding of how to connect people, places and things. Neustar's unique, accurate and real-time identity system, empowers critical decisions across our clients' enterprise needs. Learn more at:

www.home.neustar

NeuVector Inc.

N 4318

DevSecOps, zero-day vulnerability, security & threat visualization, network security, governance risk & compliance, firewalls, cloud security, artificial intelligence/machine learning, application security, GDPR

Container-based environments, operating at highly automated scale, leave security teams blind to attacks in east-west traffic and with zero-network visibility. NeuVector, the leader in Container Network Security, delivers highly integrated, automated security for Kubernetes and OpenShift, and is the only next-generation container firewall with packet-level interrogation and enforcement.

<http://neuvector.com>

NEXCOM

S 2427

DevSecOps, virtualization, containerization & segmentation, threat management, operational technology (OT Security), network security, infrastructure security, data loss prevention, cloud security, artificial intelligence/machine learning, Internet of Things

NEXCOM's network and communication solutions include a full range of network communication platforms and internet appliances designed for desktop- and enterprise-level applications. Integrating cutting-edge technologies, such as Intel's multi-core CPU, PCI express, I/O acceleration and hyperconverged infrastructure, NEXCOM offers optimal network security appliance for businesses of all sizes.

www.nexcom.com

Niagara Networks

N 4221

Niagara Networks provides high-performance network visibility solutions to allow seamless administration of security solutions, performance management and network monitoring. Niagara Networks products provide advantages in terms of network operation expenses, downtime and total cost of ownership.

www.niagaranetworks.com

NIST

S 2367

nccoe.nist.gov

NOMINET

S 1465

With 20 years of experience running national-scale DNS services, Nominet specializes in unique DNS deep packet inspection to protect against malware, phishing, data exfiltration and many other cyberthreats. Our threat monitoring and analytics platform, NTX, is purpose built for the enterprise to analyze billions of DNS data packets in real time, pinpointing and eradicating malicious activity.

www.nominet.com/cybersecurity

NRI SecureTechnologies

N 5359

www.nri-secure.com

NSFOCUS

S 1553

Internet of Things, threat intelligence, network security, managed security services, intrusion prevention/detection, exploit of vulnerability, endpoint security, denial of service, cloud security, application security

NEW PRODUCT NSFOCUS, Inc., a global network and cybersecurity leader, protects enterprises and carriers from advanced cyberattacks. The company's intelligent hybrid security strategy utilizes both cloud and on-premises security platforms, built on a foundation of real-time global threat intelligence, to provide multilayered, unified and dynamic protection against advanced cyberattacks.

www.nsfocusglobal.com

NuData Security

N 4424

Authentication, threat management, risk management, mobile security, malware, identity theft, hackers & threats, fraud, botnets, behavioral analytics

NuData Security, a Mastercard company, is an award winning behavioral biometrics company. Our technology continuously verifies a users' online identity by authenticating the user based on their natural interactions online — behavior that can't be mimicked or replicated by a third party. NuData is trusted by some of the largest global banking and e-commerce organizations worldwide.
www.nudatasecurity.com

Nuix

N 6379

Ransomware, risk management, phishing, insider threats, incident response, governance risk & compliance, forensics & e-discovery, endpoint security, data security, data loss prevention

Nuix (www.nuix.com) understands the DNA of data at enormous scale. Our software pinpoints the critical information organizations need to anticipate, detect and act on cybersecurity, risk and compliance threats. Our intuitive platform identifies hidden connections between people, objects, locations and events—providing real-time clarity, control and efficiency to uncover the key facts and their context.
www.nuix.com

Nyotron Information Security

N 4429

Ransomware, zero trust, zero-day vulnerability, security & threat visualization, malware, endpoint security, data security, anti-malware

Nyotron delivers preventative endpoint detection and response (EDR). Our solution automatically whitelists trusted OS behavior and rejects everything else. No manual threat hunting, no disk scanning, no signatures or machine learning. Nyotron's approach is threat and application agnostic, providing true defense-in-depth protection against the most advanced known and unknown attacks.
www.nyotron.com

OASIS

S 543

Access control, standards, security operations, security architecture, network security, key management, encryption strategy & trends, data security, cryptography, application security

Members of the OASIS Key Management Interoperability Protocol (KMIP) Technical committee including KMIP experts from Cryptsoft, P6R, QuintessenceLabs, Thales, Unbound and Utimaco will be onsite to answer questions and provide live demonstrations of the latest revision of the KMIP standard. This demonstration covers encryption key and security object lifecycle management for the enterprise.
www.oasis-open.org

OATH

S 1641

www.openauthentication.org

ObserveIT

S 259

Data loss prevention, threat management, threat intelligence, insider threats, incident response, hackers & threats, data security

ObserveIT is the leading insider threat management solution with more than 1,800 customers across 87 countries. ObserveIT is the only solution that empowers security teams to detect insider threats, streamline the investigation process and prevent data exfiltration. For more information visit:
www.observeit.com

Okta

S 1155

Okta is the leading independent provider of identity for the enterprise. We create technology that helps organizations manage and secure the extended enterprise and transform the customer experience, by making it safe and easy for them to access the technologies they need to do their most significant work.
www.okta.com

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EXHIBITING COMPANIES

Onapsis

N 5464

Onapsis cybersecurity solutions automate the monitoring and protection of your SAP and Oracle applications, keeping them compliant and safe from insider and outsider threats. As the proven market leader, global enterprises trust Onapsis to protect the essential information and processes that run their businesses. Headquartered in Boston, MA, Onapsis serves over 200 customers including many of the Global 2000.

www.onapsis.com

One Identity

N 5670

www.oneidentity.com

OneLogin

S 2133

OneLogin is the leader in Unified Access Management, Enabling Organizations to Access the World™. Businesses of all sizes use OneLogin to secure company data, while increasing IT administrator and end users efficiencies. OneLogin manages and secures millions of identities around the globe, making it simpler and safer for organizations to access the apps and data they need anytime, everywhere.

www.onelogin.com

OneTrust

N 4236

GDPR, security services, risk management, risk & vulnerability assessment, privacy, data security

OneTrust is the global leader in privacy management and marketing compliance software. More than 1,500 customers, including 200 of the Global 2000, use OneTrust to comply with data privacy regulations across sectors and jurisdictions, including the EU GDPR, ePrivacy (Cookie Law) and the California Consumer Privacy Act.

www.onetrust.com

OnSolve ★

N 6481

Internet of Things, security awareness, risk management, incident response, business continuity & disaster recovery, SSO

OnSolve is the leading global provider of SaaS-based critical communication solutions for enterprise, SMB and government organizations. The company's cloud-based communication solutions provide users with fast, reliable methods of sending critical information and alerts to employees, residents and other stakeholders across multiple devices. More information can be found at:

www.onsolve.com

Onspring

N 5481

GDPR, standards, risk management, risk & vulnerability assessment, policy management, metrics, government regulations, governance risk & compliance, business continuity & disaster recovery, audit

Onspring empowers business users to innovate and solve problems for themselves. We deliver solutions for internal audit, risk management, compliance, legal and operations teams—all built on a flexible, cloud-based platform. We focus on performance and usability so our clients can focus on analysis, action and value creation. Learn more:

www.onspring.com

Ontario, Canada Delegation

S 1953

Ontario, Canada, is a global centre for information communications technology expertise. Ontario is home to North America's second largest concentration of innovative tech companies including cybersecurity. Meet our delegation to RSA and join us for our in-booth business reception on Tuesday, March 5 (4:00 pm to 6:00 pm).

www.ontarioexports.com

OpenIAM ★

S 3107

GDPR, password management, identity management & governance, governance risk & compliance, authentication, audit, access control, SSO

OpenIAM provides a fully integrated Identity and Access Management platform that maintains a small footprint. Our stack has been built entirely in-house to provide customers with technology that will grow with their changing needs by enabling the addition of components to the integrated platform, allowing users to see one unified IAM solution versus a collection of disparate products.

www.openiam.com

OpenText

N 6353

Makers of the EnCase forensic security solutions that leverage deep endpoint visibility, experience from countless incident response engagements and machine learning to help predict where threats will strike, reduce adversary dwell time, respond faster and keep sensitive information safe and secure. With agents deployed on more than 40 million endpoints, clients including 78 of the Fortune 100 and more than 6,600 EnCE™ certified users, OpenText EnCase delivers the industry gold standard for incident response and digital investigations. OpenText is also the leader in Enterprise Information Management (EIM) helping businesses to grow faster and lower operational costs while mitigating information governance and security risks.

www.OpenText.com

OPSWAT

S 561

Access control, risk & vulnerability assessment, network security, infrastructure security, endpoint security, data security, data loss prevention, critical infrastructure, cloud security, anti-malware

OPSWAT is a global provider of cybersecurity solutions that protect organizations from content and device-based threats. Our products prevent threats and enable compliance for over 1,200 government agencies and global enterprises. OPSWAT is a leader in critical security technologies that include protecting critical networks, secure access, and email, web storage, and web application security.

www.opswat.com

Optimal IdM

N 5685

PII, password management, network security, identity management & governance, data security, cloud security, biometrics, authentication, application security, SSO

Optimal IdM is a global provider of innovative and affordable identity access management solutions. We partner with our clients to provide comprehensive, fully customizable enterprise level solutions that meet the specific security and scalability needs of their organization.

www.optimalidm.com

Optiv

S 1341

The world's most trusted and reputable security solutions integrator, Optiv enables its clients to realize stronger, simpler and less costly cybersecurity programs. The company combines decades of real-world business, security strategy and technical experiences with in-depth security products knowledge to bring order to the cybersecurity chaos.

www.optiv.com

Oracle

S 1559, N 5570

Access control, security operations, security analytics, risk management, key management, identity management & governance, cloud security, blockchain & distributed ledger, big data analytics, artificial intelligence/machine learning

The Oracle Cloud offers complete SaaS application suites for ERP, HCM and CX, plus best-in-class database Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) from data centers throughout the Americas, Europe and Asia. For more information about Oracle (NYSE:ORCL), please visit us at:

www.oracle.com

Oracle Cloud Infrastructure

S 2261

Application security, web services security, security services, managed security services, malware, hackers & threats, denial of service, cloud security, botnets, artificial intelligence/machine learning

Oracle Dyn (GBU) helps companies build and operate a secure, intelligent cloud edge. Our services help customers operate resilient, secure and high-performance sites and applications via fully managed DNS and AI-powered Web Application Security services. Over 3,500 customers rely on Oracle Dyn's edge services, such as Netflix, Twitter and LinkedIn.
www.dyn.com

Orkus ★

S 130

DevSecOps, policy management, identity management & governance, data security, data loss prevention, cloud security, audit, artificial intelligence/machine learning, access control, GDPR

Orkus secures access and authorization to cloud infrastructure, apps and data. As enterprises move to cloud, unauthorized access is the number one risk. Orkus uses Graph AI to learn "who" has access to "what" and "how," and enables enterprises to prevent data exposure, tighten privileged identity access and protect critical infrastructure and applications from unauthorized access.
www.orkus.com

Outpost24

S 3316

DevSecOps, risk & vulnerability assessment, penetration testing, network security, infrastructure security, exploit of vulnerability, data security, critical infrastructure, cloud security, application security

Outpost24 is a leading cyber-assessment company focused on enabling its customers to achieve maximum value from their evolving technology investments. By leveraging our full stack security insights to reduce attack surface for any architecture, Outpost24 customers continuously improve their security posture with the least effort.
www.outpost24.com

OverWatchID

N 4434

SSO, zero trust, orchestration & automation, insider threats, infrastructure security, identity theft, cloud security, cloud access security brokers (CASB), authentication, access control

OverWatchID leverages more than 20 years of enterprise development experience in identity security and delivers a feature-rich platform that comprises PAM, SSO, CASB and MFA. OverWatchID's patent-pending technology provides an assurance of security efficacy far beyond legacy PAM, and its rapid, frictionless deployment reduces subscription, implementation and administration costs by up to 80 percent.
www.overwatchid.com

Owl Cyber Defense Solutions, LLC

N 6140

Internet of Things, threat management, security architecture, patch management, operational technology (OT Security), network security, intrusion prevention/detection, data security, critical infrastructure, cloud security

NEW PRODUCT Owl Cyber Defense leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise. Owl cybersecurity specialists have helped hundreds of organizations around the world secure their networks with Owl's patented hardware-enforced, unhackable data diode solutions.
www.OwlCyberDefense.com



Developing and connecting cyber security leaders around the world.

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- Career development, growth, and opportunities

www.issa.org

EXHIBITING COMPANIES

Palo Alto Networks

N 6069

Artificial intelligence/machine learning, zero trust, security operations, security analytics, network security, firewalls, endpoint security, cloud security, cloud access security brokers (CASB), behavioral analytics

We are the global cybersecurity leader, known for always challenging the security status quo. Our mission is to protect our way of life in the digital age by preventing successful cyberattacks. This has given us the privilege of safely enabling tens of thousands of organizations and their customers. Our pioneering Security Operating Platform safeguards your digital transformation with continuous innovation that combines the latest breakthroughs in security, automation and analytics. By delivering you a true platform and empowering a growing ecosystem of change-makers like us, we provide you highly effective and innovative cybersecurity across clouds, networks and mobile devices.

www.paloaltonetworks.com

Panda Security

N 4401

Anti-malware, threat management, threat intelligence, malware, intrusion prevention/detection, endpoint security, data security, cloud security, behavioral analytics, artificial intelligence/machine learning

Panda Security is a leading innovator and 20-year veteran of the cybersecurity space with 30 million users in 180 countries. Led by our flagship offering, Adaptive Defense 360, our solutions hold some of the highest independent test scores in the industry, are Common Criteria and OPSWAT certified, and received a visionary ranking in the Gartner Magic Quadrant.

www.pandasecurity.com

Pavilion of Spain

S 2139

ICEX Spain Trade and investment is the agency for the internationalization of Spanish businesses. Its main aims are to:

- Increase the number of companies exporting a regular basis
- Diversify the export markets for Spanish products and services.
- Increase the number of export sectors and their share in the overall Spanish economy
- Attract foreign investment to Spain

www.investinspain.org/invest/en/index.html

Peerlyst

S 138

GDPR, threat management, social networking, security awareness, privacy, practitioner perspectives, mobile security, cloud security, authentication, application security

NEW PRODUCT Peerlyst is shaping the future of work for cybersecurity professionals. More than 700,000 security pros around the globe use Peerlyst to share knowledge, build their reputation, and advance their careers. Visit www.peerlyst.com to find over 100,000 resources, training guides, how-to's, wiki's and ebooks in the largest knowledge base for security in the world, all free, crowd sourced content.

www.peerlyst.com

Pegatron Corporation ★

S 2363

Internet of Things, virtualization, containerization & segmentation, threat management, supply chain, security & threat visualization, blockchain & distributed ledger, artificial intelligence/machine learning, anti-spam, anti-malware, access control

Pegatron is a professional manufacturing service provider. We are dedicated to introducing innovative design thinking into every detail of production.

www.pegatroncorp.com

Penn State World Campus

N 4520

IT and cyber-programs, offered online through Penn State World Campus, can help you gain the expertise and competitive edge you need to succeed. Employers will recognize and respect your degree from Penn State's highly regarded College of IST. No matter where you are in your career, we have programs to suit all levels of experience.

<http://ist.psu.edu>

PhishLabs

S 2351

Ransomware, threat management, threat intelligence, security services, security awareness, phishing, managed security services, malware, incident response, fraud

PhishLabs managed threat intelligence and mitigation services make it easier than ever to manage risks across email, domain, social media, mobile, dark, deep and open web vectors. Our expert-driven, managed approach goes beyond do-it-yourself tools to ensure the digital risk protection outcomes enterprises want.

www.phishlabs.com

Picus Security

N 4500

Picus Security offers Continuous Security Validation and Mitigation as the most proactive approach to ensure cyber-resilience. The Picus Platform measures the effectiveness of defenses by using emerging threat samples in production environments, providing the insight required to build the right security strategy to better manage complex operations.

www.picussecurity.com

Pindrop

N 5453

Internet of Things, social engineering, risk management, identity management & governance, hackers & threats, governance risk & compliance, fraud, biometrics, authentication, artificial intelligence/machine learning

Pindrop® solutions help detect fraudsters and authenticate callers, reducing fraud and operational costs, while improving customer experience and protecting brand reputation for some of the world's premier call centers.

www.pindropsecurity.com

Ping Identity

S 427

GDPR, security intelligence, privacy, zero trust, identity management & governance, data security, authentication, application security, SSO, PII

Ping Identity is the identity security company. We simplify how the world's largest organizations, including over half of the Fortune 100, prevent security breaches, increase employee and partner productivity and provide personalized customer experiences. With Ping enterprises can securely connect users to cloud, mobile and on-premise applications while managing identity and profile data at scale.

www.pingidentity.com

Pizzlysoft Co., Ltd. ★

S 368

Ransomware, threat intelligence, security intelligence, security analytics, security & threat visualization, network security, intrusion prevention/detection, denial of service, botnets, anti-malware

Cyberthreat Security Intelligence Solution Provider. FPGA board development (designed and implemented by Pizzlysoft). Kodiak APS R-Series offers robust security on internal assets enabled by DPI and DFI engine of the FPGA board. Big data engine development. Correlation analysis technique. Proactive threat analysis and response technique.

www.pizzlysoft.com

PKWARE

S 227

GDPR, legislation, key management, insider threats, hackers & threats, government regulations, governance risk & compliance, encryption strategy & trends, data security, PII

A global leader in enterprise data protection, PKWARE provides solutions for more than 35,000 customers around the world. Having introduced the ZIP file 30 years ago, PKWARE continues to innovate, helping organizations meet ever-evolving challenges in data protection and file management. PKWARE provides complete data-centric security solutions on more operating systems than any other company.

www.pkware.com

Plixer

S 349

SIEM, security intelligence, security analytics, network security, forensics & e-discovery, cloud security, behavioral analytics

Plixer provides a network and security intelligence platform that supports fast and efficient incident response. The solution allows you to gain visibility into cloud applications, security events and network traffic. It delivers actionable data to guide you from the detection of network and security events all the way to root-cause analysis and mitigation.
www.plixer.com

Pluralsight

N 4409

DevSecOps, standards, security analytics, professional development & workforce, operational technology (OT Security), key management, infrastructure security, encryption strategy & trends, behavioral analytics, Internet of Things

Pluralsight is the leading technology learning platform. With Pluralsight, companies attract and grow talent, ship better products faster and improve performance. Our platform evaluates the technical abilities of development/IT teams, aligns learning to key business objectives, and closes skills gaps in critical areas like cloud, mobile, security and data.
www.pluralsight.com

Pluribus Networks

N 4201

Internet of Things, virtualization, containerization & segmentation, software defined networking, security intelligence, security architecture, security analytics, managed security services, infrastructure security, endpoint security, cloud security

Pluribus Networks provides software-defined fabric networking, network virtualization and performance analytics software solutions that enable organizations to build scalable private and public clouds. With an intelligent distributed control plane, the Pluribus Adaptive Cloud Fabric™ is a distributed overlay fabric that inserts segmentation, filtering and security services of existing networks.
www.pluribusnetworks.com

Polarity

N 4628

Artificial intelligence/machine learning, threat intelligence, security operations, security intelligence, security & threat visualization, orchestration & automation, network security, incident response, hackers & threats, forensics & e-discovery

Polarity solves the limitations and cognitive biases of human memory. We believe humans are good at analysis but bad at recall. Polarity augments human memory with on-screen overlays, providing a heads-up display for analysts' computers giving them superhuman data awareness and recall.
<http://polarity.io>

Portnox

N 5366

BYOD, security awareness, risk management, risk & vulnerability assessment, policy management, network security, governance risk & compliance, data security, access control, Internet of Things

Simplified network access control and risk management. Enabling enterprises to reduce risk and enforce security policy compliance. Includes automated security, visibility and control for any endpoint accessing the network—IoT, BYOD and managed devices. Cloud-delivered and on-prem solutions—vendor agnostic, agentless, hybrid environments, easy to deploy and manage and adapt to evolving needs.
www.portnox.com

Pradeo

N 6387

BYOD, threat management, mobile security, government regulations, endpoint security, data security, data loss prevention, artificial intelligence/machine learning, application security, anti-malware

NEW PRODUCT Pradeo is a global company, leader in the mobile security field, offering innovative solutions to protect devices (smartphones, tablets or connected objects) and master applications. Pradeo's next generation technology, recognized by Gartner for several years, provides a reliable detection or threats to protect from data leakage and enforce compliance with data privacy regulations.
www.pradeo.net

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EXHIBITING COMPANIES

PreEmptive Solutions

N 6566

DevSecOps, secure coding, risk management, hackers & threats, government regulations, governance risk & compliance, data security, application security, GDPR

PreEmptive's Protection tools hit the sweet spot between cost, convenience and functionality by helping you protect and secure your apps in a smarter way. Our layered application hardening and shielding is directly infused into your .NET, Java, Android and iOS applications. We help you manage application risks and comply with regulations.
www.preemptive.com

Prevoty

N 5586

www.prevoty.com

PrimeKey Solutions

S 1935

DevSecOps, key management, identity management & governance, endpoint security, data security, critical infrastructure, cloud security, authentication, Internet of Things, GDPR

PrimeKey is one of the world's leading companies for PKI and digital signing solutions. Delivered on-prem or in the cloud, our products deliver the capability to implement an enterprise grade PKI system ready to support solutions such as IoT, e-ID, authentication, digital signatures, code signing, digital identities and validation; all solutions where digital certificates would be a main enabler.
www.primekey.com

PrinterLogic ★

N 4407

Thousands of enterprises use PrinterLogic's patent-pending printer and driver management platform to deliver mobile, pull and virtual printing, while eliminating print servers and providing a self-service portal that empowers end users to install their own printers.
www.printerlogic.com

Privakey, Inc.

N 4315

Internet of Things, web services security, mobile security, cryptography, cloud security, biometrics, authentication, application security, access control

Privakey is a leader in secure customer engagement. We deliver exceptional digital experiences by eliminating the frustration that is common in sensitive authentication and authorization transactions. We enable consistent biometric identity confirmation at all customer touchpoints to improve convenience and security in any business process. Privakey is a proud member of the FIDO Alliance.
www.privakey.com

ProcessUnity

S 3335

GDPR, risk management, risk & vulnerability assessment, policy management, government regulations, governance risk & compliance

ProcessUnity's cloud-based solutions help organizations of all sizes automate their risk and compliance programs. Our highly configurable, easy-to-use tools significantly reduce manual administrative tasks, allowing customers to spend more time on strategic risk mitigation. As a software-as-a-service technology, ProcessUnity deploys quickly with minimal effort from customers or their IT resources.

Profitap ★

S 3233

Access control, security & threat visualization, operational technology (OT Security), network security, intrusion prevention/detection, forensics & e-discovery, critical infrastructure

Profitap develops and manufactures copper and fiber network TAPs, network packet brokers and portable traffic capture devices. These solutions are designed with security, forensics and network performance monitoring sectors in mind. All of Profitap's network monitoring tools are highly performant, secure and user-friendly and provide complete visibility and access to your network, 24/7.
www.profitap.com

Promon

N 6560

GDPR, mobile security, malware, hackers & threats, endpoint security, cryptography, application security

Promon SHIELD™ provides App Shielding to Mobile and Desktop apps. Promon SHIELD™ monitors and controls the execution of the app, including the interactions with OS components, to protect from attacks and data exfiltration. Promon SHIELD™ provides Obfuscation, Anti-tampering and Integrity Checking, as well as White-box Cryptography and many other security features.
www.promon.com

Proofpoint

N 5977

Ransomware, threat intelligence, security awareness, phishing, incident response, hackers & threats, governance risk & compliance, encryption strategy & trends, data security, cloud access security brokers (CASB)

Proofpoint is a leading cybersecurity company that protects organizations' biggest risks and greatest assets: their people. With an integrated suite of cloud-based threat, information and user protection solutions, we help organizations around the world mitigate their most critical security and compliance risks. More than half of the Fortune 100 trust us to stop targeted threats, safeguard their data, and make their users more resilient against cyberattacks. No one protects people, the data they create and the digital channels they use more effectively than Proofpoint.
www.proofpoint.com

ProtectWise

S 2233

Data lakes, security analytics, security & threat visualization, network security, intrusion prevention/detection, incident response

ProtectWise™ provides Cloud-Powered Network Detection & Response (NDR). Organizations can achieve defense in depth via advanced analytics in enterprise, cloud and industrial environments with real-time and retrospective detections.
www.protectwise.com

Pulse Secure

N 5571

Pulse Secure, LLC, offers easy, comprehensive Secure Access solutions that provide visibility and seamless, protected connectivity between users, devices, things and services. The company delivers suites that uniquely integrate cloud, mobile, application and network access to enable hybrid IT. More than 20,000 enterprises and service providers across every vertical entrust Pulse Secure to empower their mobile workforce to securely access applications and information in the data center and cloud while ensuring business compliance.
www.pulsesecure.net

Pushfor Inc.

N 6384

BYOD, privacy, mobile security, insider threats, governance risk & compliance, endpoint security, data security, data loss prevention, behavioral analytics, GDPR

Pushfor is an enterprise, secure content sharing and messaging platform. Any content type, of any size, is protected and easily shared to any device type removing any risk of data leakage. Underpinned by its patented "push" technology content is never sent but remains secure at source. Users are empowered with full control, tracking and visibility of the content journey with real-time analytics.
www.pushfor.com

Qosmos ENEA

S 236

Ransomware, zero-day vulnerability, network security, managed security services, malware, forensics & e-discovery, firewalls, application security, anti-malware, SIEM

The Qosmos Division of Enea specializes in DPI-based network intelligence software which recognizes thousands of protocols and metadata to provide the most accurate picture of real-time data activity on networks. Qosmos technology is embedded in products such as firewalls, UTMs, web gateways, SIEMs, security analytics, forensics, etc. More information: www.qosmos.com/cybersecurity/overview
www.qosmos.com

QuintessenceLabs

S 1735

GDPR, policy management, network security, key management, endpoint security, encryption strategy & trends, data security, cryptography, cloud security, Quantum computing

NEW PRODUCT QuintessenceLabs is the leader in quantum-enhanced cybersecurity solutions that address the toughest security challenges. Our easy-to-use and interoperable products provide the strongest data protection, freeing you up to focus on your business. Our key and policy manager, high speed quantum random number generator, and integrated encryption solutions will keep your information safe, everywhere.

www.quintessencelabs.com

Radiant Logic

S 1864

Internet of Things, virtualization, containerization & segmentation, identity management & governance, cloud security, authentication, application security, access control, SSO

Based on advanced virtualization, RadiantOne FID federated identity and directory service enables customizable identity views built from disparate data silos, driving critical identity decisions for WAM, federation and cloud deployments. Fortune 1000 companies rely on us to reduce administrative effort, simplify integration and build a flexible infrastructure to meet demands.

www.radiantlogic.com

Radware

S 555

Internet of Things, zero-day vulnerability, network security, intrusion prevention/detection, hackers & threats, denial of service, cyber-warfare & cyber-weapons, cloud security, application security, Ransomware

Radware® (NASDAQ: RDWR) is a global leader of cybersecurity and application delivery solutions for virtual, cloud and software-defined data centers. Its award-winning solutions portfolio delivers service-level assurance for business-critical applications while maximizing IT efficiency.

www.radware.com

Rapid7

S 1127

Rapid7 (NASDAQ:RPD) powers the practice of SecOps by delivering shared visibility, analytics and automation that unites security, IT and development teams. The Rapid7 Insight platform empowers these teams to jointly manage and reduce risk, detect and contain attackers, and analyze and optimize operations. Rapid7 technology, services and research drive vulnerability management, application security, incident detection and response, and log management for more than 7,100 organizations across more than 120 countries, including 55 percent of the Fortune 100.

www.rapid7.com

Recorded Future

S 661

Artificial intelligence/machine learning, threat intelligence, security operations, security intelligence, risk & vulnerability assessment, hackers & threats

Recorded Future arms security teams with the only complete threat intelligence solution powered by patented machine learning to lower risk. Our technology automatically collects and analyzes information from an unrivaled breadth of sources and provides invaluable context in real time and packaged for human analysis or integration with security technologies.

www.recordedfuture.com

Red Canary

S 2151

Cloud security, security services, security operations, security intelligence, security analytics, managed security services, intrusion prevention/detection, incident response, hackers & threats, endpoint security

Red Canary was built to serve one core mission: fix the broken information security system. As a security operations ally, we arm businesses of all sizes with outcome-focused solutions to quickly shut down attacks. Security teams can make a measurable improvement to security operations within minutes.

www.redcanary.com



Producers of Leading Tech Communities



EXHIBITING COMPANIES

RedSeal

S 1327

Cloud security, security analytics, security & threat visualization, risk & vulnerability assessment, network security, metrics, incident response, cyber-insurance

RedSeal's network modeling and risk scoring platform is the foundation for enabling enterprises to be resilient to cyber-events across public cloud, private cloud and physical network environments. RedSeal helps customers understand their network from the inside out—providing actionable intelligence, situational awareness and a digital resilience score to measure and improve their resilience.

www.redseal.net

Reservoir Labs

N 5476

Artificial intelligence/machine learning, software defined networking, security analytics, security & threat visualization, network security, intrusion prevention/detection, incident response, consulting & professional services, cloud security, behavioral analytics

Reservoir Labs presents R-Scope®, an advanced network monitoring solution, and ENSIGN®, a powerful analytic platform. R-Scope performs high-rate traffic processing, on-box behavioral analytics, selective packet capture and file extraction for unparalleled threat detection. ENSIGN delivers spectral hypergraph analysis, enabling discovery of deep cross-dimensional behavioral patterns.

www.reservoir.com

Resolve Systems

N 4501

www.ResolveSystems.com

RevCult ★

S 3438

GDPR, security consulting, risk & vulnerability assessment, privacy, governance risk & compliance, encryption strategy & trends, data security, cloud security, application security, PII

NEW PRODUCT Salesforce security and privacy experts helping companies in highly regulated industries including healthcare and life sciences, financial services, and retail. Offering 5-Star Salesforce AppExchange security and privacy products and services that allow clients to continue to grow on the Salesforce platform with confidence their data is protected.

www.revcult.com

ReversingLabs

S 260

ReversingLabs solutions deliver the capabilities, speed and scalability that large enterprises and government agencies need to uncover and contain sophisticated malware threats that have slipped past their other security measures.

www.reversinglabs.com

RFPIO Inc. ★

N 4428

GDPR, standards, risk management, policy management, governance risk & compliance, artificial intelligence/machine learning

RFPIO streamlines the response process for requirements docs like security questionnaires and RFPs. The platform has a patented document import process, a content library—enhanced by an AI-enabled recommendation engine, collaboration tools, and export templates for consistent formatting. Technology integrations make workflow more efficient, and reporting gives visibility into project status.

www.rfpio.com

Ribbon Communications

S 3229

Risk Based Security

N 6285

Risk & vulnerability assessment, threat management, threat intelligence, security intelligence, security & threat visualization, risk management

Risk Based Security provides detailed information and analysis on data breaches and vulnerability intelligence. Our products, Cyber Risk Analytics and VulnDB, provide access to the most comprehensive threat intelligence knowledge bases available, with advanced search capabilities, access to raw data via API and email alerting to help organizations take the right actions in a timely manner.

www.riskbasedsecurity.com

RiskIQ

N 4335

Application security, threat management, threat intelligence, security operations, security awareness, risk management, risk & vulnerability assessment, phishing, governance risk & compliance, cloud security

RiskIQ is the global leader in attack surface management, providing the most comprehensive discovery, intelligence and mitigation of threats associated with an organization's digital presence. With more than 75 percent of attacks originating outside the firewall, RiskIQ is trusted by thousands of security analysts and CISOs for unified insight, visibility and control over exposures.

www.riskiq.com

RiskRecon

N 4609

Governance risk & compliance, threat intelligence, risk management, risk & vulnerability assessment

RiskRecon is the only continuous vendor security monitoring solution that delivers risk-prioritized action plans custom-tuned to match your risk priorities, providing the world's easiest path to understanding and acting on third-party cyber-risk. Partner with RiskRecon to build your scalable, third-party risk management program to realize dramatically better risk outcomes.

www.riskrecon.com

RSA

N 5845

SIEM, security analytics, risk management, orchestration & automation, identity management & governance, governance risk & compliance, fraud, endpoint security, behavioral analytics, authentication

RSA offers business-driven security solutions that provide organizations with a unified approach to managing digital risk that hinges on integrated visibility, sophisticated insights and coordinated actions. RSA solutions are designed to effectively detect and respond to advanced attacks; manage user access control; and reduce business risk, fraud and cybercrime. RSA protects millions of users around the world and helps more than 90 percent of the Fortune 500 companies thrive and continuously adapt to transformational change. For more information, go to:

www.rsa.com

RSAM

S 1255

GDPR, threat management, security operations, risk management, risk & vulnerability assessment, policy management, incident response, governance risk & compliance, business continuity & disaster recovery, audit

A market leader in governance, risk and compliance management (GRC), RSAM helps organizations achieve their business objectives by overcoming the daily challenges of integrated risk management through innovative technology. Adaptability and extensibility are core to the DNA of our software platform which has fundamentally changed the way the industry approaches GRC, Security Operations, and VRM.

www.rsam.com

SafeBreach

S 3324

Cloud security, threat management, security operations, security & threat visualization, risk & vulnerability assessment, penetration testing, orchestration & automation, network security, hackers & threats, exploit of vulnerability

SafeBreach is a pioneer in the emerging category of breach and attack simulation. The company's ground-breaking platform provides a "hacker's view" of an enterprise's security posture to validate security controls. Headquartered in Sunnyvale, California, the company is funded by Sequoia Capital, Deutsche Telekom Capital, Hewlett Packard Pathfinder and investor Shlomo Kramer.
www.safebreach.com

SafeGuard Cyber

S 3111

PII, threat management, social networking, security & threat visualization, risk & vulnerability assessment, phishing, malware, hackers & threats, governance risk & compliance, data loss prevention

SafeGuard Cyber provides a single SaaS solution to manage the full spectrum of social and digital risk, enabling enterprises to gain visibility into threats, control assets and respond to cybersecurity attacks in real time—while automating information governance and compliance.
www.safeguardcyber.com

SafeNet AT ★

N 6580

Access control, key management, identity theft, encryption strategy & trends, data security, data loss prevention, cloud security, authentication

SafeNet Assured Technologies, LLC, protects the most vital data from the core to the cloud to the field. Our trusted solutions enable agencies to deploy a holistic data protection ecosystem where data and cryptographic keys are secured and managed, and access is controlled.
www.safenet.com

SailPoint Technologies, Inc.

N 5353

Access control, identity management & governance, governance risk & compliance, application security

SailPoint, the leader in enterprise identity governance, brings the Power of Identity to customers around the world. SailPoint's open identity platform gives organizations the power to enter new markets, scale their workforces, embrace new technologies, innovate faster and compete on a global basis. As both an industry pioneer and market leader in identity governance, SailPoint delivers security, operational efficiency and compliance to enterprises with complex IT environments. SailPoint's customers are among the world's largest companies in a wide range of industries.
www.sailpoint.com

SaltStack ★

S 3105

DevSecOps, virtualization, containerization & segmentation, software defined networking, security operations, patch management, orchestration & automation, network security, infrastructure security, governance risk & compliance, endpoint security

NEW PRODUCT SaltStack makes the only event-driven automation for optimizing and securing digital business at massive scale. SaltStack SecOps helps security and IT operations teams collaborate to define security policy, detect non-compliant systems, and automatically enforce or remediate violations using SaltStack intelligent automation, task orchestration, any cloud control, and configuration management.
www.saltstack.com

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EXHIBITING COMPANIES

SANS Institute

S 3416, N 4531

DevSecOps, threat intelligence, security awareness, risk & vulnerability assessment, penetration testing, incident response, forensics & e-discovery, data security, cyber-warfare & cyber-weapons, application security

SANS is the most trusted and by far the largest source for information security training. We offer certification via GIAC, an affiliate of the SANS Institute, and optional master's degree programs through SANS Technology Institute. You will be able to apply our information security training the day you get back to the office!

www.sans.org

SAS Institute, Inc.

N 5452

SAS is the leader in business analytics software and services, and the largest independent vendor in the business intelligence market. Through innovative solutions, SAS helps customers at more than 70,000 sites improve performance and deliver value by making better decisions faster. Since 1976 SAS has been giving customers around the world THE POWER TO KNOW®.

www.sas.com

Sasa Software

N 4317

www.sasa-software.com

Saviynt

S 1841

Access control, security intelligence, security analytics, risk & vulnerability assessment, infrastructure security, identity management & governance, governance risk & compliance, cloud security, cloud access security brokers (CASB), application security

Saviynt is a leading provider of Identity Governance and Administration. Saviynt enables enterprises to secure applications, data and infrastructure for cloud (AWS, Salesforce, Workday) and enterprise (SAP, Oracle EBS). Saviynt combines traditional identity management with identity analytics, preventive security controls and privileged access governance to deliver next-generation IGA solution.

www.saviynt.com

Sectigo ★

S 2333

Internet of Things, phishing, network security, encryption strategy & trends, critical infrastructure

Sectigo (formerly Comodo CA) provides web security products that help customers protect, monitor, recover and manage their web presence and connected devices. As the largest commercial certificate authority trusted by enterprises for 20 years, and over 100 million SSL certificates issued in 200+ countries, Sectigo has the proven experience to meet the needs of securing today's digital landscape.

www.comodoCA.com

Secudit, Ltd.

N 6559

Behavioral analytics, social engineering, security operations, security awareness, security analytics, risk & vulnerability assessment, operational technology (OT Security), metrics, governance risk & compliance, cyber insurance

NEW PRODUCT Secudit combines user-behavior monitoring, penetration testing and threat-intelligence feeds to provide ongoing assessments of enterprise IT cybersecurity vulnerability. Continuously updated remedial recommendations are also available on-demand. With broad and detailed visibility, Secudit allows to investigate and remediate emerging IT vulnerabilities before they become liabilities (or worse).

www.secutit.com

SecuGen Corp.

N 4338

Access control, web services security, physical security, network security, mobile security, endpoint security, data security, biometrics, authentication, application security

NEW PRODUCT SecuGen is a world-leading developer of advanced, optical fingerprint biometrics for physical and IT security. Known for high quality, ruggedness and affordability, our products include FBI-certified fingerprint readers, card readers, biometric software, development tools and free SDKs with NIST-compliant algorithms for a wide range of secure mobile, network, access and identity applications.

www.secugen.com

Secui Corporation ★

N 6485

Denial of service, network security, intrusion prevention/detection, firewalls

Secui provides network security solutions that protect our customers' assets from cyberthreats. We provide security throughout the entire network starting from endpoint to cloud. As business grows the complexity and diversity of security increases simultaneously. Our goal is to deliver not only complete but also simple security, so that customers could concentrate more on their business.

www.secui.com

SecureAge Technology

S 2435

Anti-malware, zero-day vulnerability, policy management, key management, insider threats, endpoint security, encryption strategy & trends, data security, cryptography, artificial intelligence/machine learning

SecureAge Technology specializes in helping enterprise and governments to protect their data against cybersecurity threats with creative ways to integrate solutions that are effective as it is unobtrusive. Its solutions provide end-to-end protection using advanced encryption, anti-malware with deep learning, as well as patented technologies developed through years of experience in data security.

www.SecureAge.com

SecureAuth

S 1043

Access control, threat intelligence, risk & vulnerability assessment, penetration testing, password management, identity theft, identity management & governance, hackers & threats, governance risk & compliance, authentication

SecureAuth eliminates identity-related breaches through the continuous assessment of risk and the enablement of trust. The company is a leader in access management, identity governance and penetration testing. SecureAuth's Identity Security Automation platform redefines security through identity making it easier for organizations to prevent the misuse of credentials.

www.secureauth.com

Secure Channels

S 268

SecureData, Inc. ★

N 4506

GDPR, security services, security analytics, physical security, identity theft, forensics & e-discovery, encryption strategy & trends, data security, data loss prevention, data lakes

NEW PRODUCT SecureData offers a range of tailored high-level data protection capabilities. These include hardware encrypted portable data storage devices, backup solutions, file repair software, data recovery and digital forensics to help clients achieve their data security objectives. SecureData serves companies and organizations in regulated industries, such as government, finance, legal and healthcare.

www.securedata.com

SecureNinja

N 6441

SecureWorks

N 4435

DevSecOps, security consulting, security analytics, risk & vulnerability assessment, orchestration & automation, network security, managed security services, endpoint security, cloud security, artificial intelligence/machine learning

Secureworks® (NASDAQ: SCWX) is a leading global cybersecurity company that protects organizations in the digitally connected world. Collectively Smarter. Exponentially Safer.

www.secureworks.com

Security Compass

N 6241

www.securitycompass.com

Security Mentor

N 6465

Internet of Things, social networking, social engineering, security awareness, privacy, policy management, phishing, insider threats, endpoint security, cloud security

Security Mentor is a visionary and global leader in the security awareness training and education industry. The Security Mentor Training Platform enables organizations worldwide to reduce risk by creating cyber-savvy employees. Brief, interactive, engaging lessons teach critical security skills in a fun, easy-to-understand format that drives real behavior change. The platform provides a single portal for integrated services for training, phishing simulation, policy management, lesson quizzes, pre/post training assessments and gamification.

www.securitymentor.com

SecurityScorecard

S 461

GDPR, security services, security awareness, risk management, risk & vulnerability assessment, network security, malware, hackers & threats, data security

<http://securityscorecard.com>

Securonix

S 535

SIEM, threat management, threat intelligence, security analytics, insider threats, data security, data lakes, cloud security, behavioral analytics, artificial intelligence/machine learning

Securonix is redefining the next generation of cyberthreat detection using the power of machine learning and big data. Our purpose-built security analytics platform analyzes logs and network events in real time to identify actionable threats. Securonix provides out-of-the-box content to detect insider threat, cyberthreats, cloud threats and fraud activity.

www.securonix.com

SecuTech

N 6287

Access control, web services security, security services, security consulting, password management, infrastructure security, data security, application security

www.esecutech.com

SentinelOne

S 1527

www.sentinelone.com

Sequestek IT Solutions Pvt. Ltd ★

N 6385

SIEM, patch management, log management, identity management & governance, endpoint security, data loss prevention, data lakes, artificial intelligence/machine learning, anti-malware, access control

NEW PRODUCT Endpoint is the new perimeter — to this effect, Sequestek has two offerings: First is an Endpoint Detection, Protection, Response product that offers EDR, application whitelist, atch, DLP, vulnerability management in one agent. Second is an Identity Gov. and Admin. product that uses federated identity management principle and offers enterprises complete control of their access governance needs.

www.sequestek.com

CyberEd.io

Cybersecurity Courses for Today's Busy Security Practitioner

The image shows a screenshot of the CyberEd.io website. At the top, the logo 'CyberEd.io' is displayed. Below it, navigation links for 'Categories', 'Sessions', 'Speakers', and 'Membership' are visible. A search bar and social media icons are also present. The main content area features a large banner with the text 'CYBERSECURITY EDUCATION' and 'Cybersecurity Courses for Today's Busy Security Practitioner'. A prominent orange circular badge on the right side of the banner states '1,000+ SESSIONS'. Below the banner, there is a 'VIEW SESSIONS' button. The lower section of the page is titled 'FEATURED SESSIONS' and displays a grid of course thumbnails with speaker photos. To the left, a sidebar highlights 'TARGETED COURSEWORK' with the text 'Access to the topics that are important to you'. To the right, another section is labeled 'SESSIONS IN DEVELOPMENT'.

BECOME A PREMIUM MEMBER! Visit CyberEd.io/memberships to learn more.

EXHIBITING COMPANIES

ServiceNow

S 1635

DevSecOps, threat intelligence, security operations, security intelligence, risk management, policy management, managed security services, governance risk & compliance, cloud security, GDPR

ServiceNow makes work, work better for people. Our cloud-based platform and products streamline and simplify how work gets done. We deliver digital experiences that help people do their best work fast, creating great employee and customer experiences. ServiceNow (NYSE: NOW) works for you. To learn more, visit: www.servicenow.com

Shenzhen Excelsecu Data Technology Co., Inc.

S 2431

BYOD, secure payments & cryptocurrencies, key management, identity theft, identity management & governance, data security, biometrics, authentication, application security

Excelsecu, a leading product supplier and solution provider in data security industry, focus on online ID authentication, smart card application, biometric verification, blockchain security, etc. The company's product line features USB key, OTP token, multi-application smart display card, FIDO authenticator. Excelsecu, Secure for More! www.excelsecu.com

ShieldX

N 4600

Cloud security, policy management, orchestration & automation, network security, intrusion prevention/detection, firewalls

ShieldX makes security the easiest thing you do in the cloud. Our cloud-native, network security platform elastically delivers a full stack of agentless security controls—IPS, firewall, malware prevention, microsegmentation, and more—to protect data centers, cloud infrastructure, applications, and data. Based on cloud agnostic microservices technology, our customers include Alaska Air and IDT www.shieldx.com

Siemplify

N 4225

SIEM, threat management, security operations, security analytics, security & threat visualization, phishing, orchestration & automation, managed security services, incident response, artificial intelligence/machine learning

Siemplify provides a powerfully simple security operations platform that empowers security teams to work smarter and respond faster. Siemplify uniquely combines security orchestration and automation to deliver intuitive, consistent and measurable secops processes. Leading organizations leverage Siemplify as their SOC workbench, tripling analyst productivity and driving down mean time to respond. www.siemplify.co

Signal Sciences

N 5358

DevSecOps, security operations, security architecture, secure coding, firewalls, denial of service, cloud security, botnets, application security

Signal Sciences protects the web presence of the world's leading brands. With its patented approach to WAF and RASP, Signal Sciences helps companies defend their journey to the cloud and DevOps with a practical and proven approach, built by one of the first teams to experience the shift. Based in Culver City, CA, Signal Sciences customers include Under Armour, Etsy, Adobe, Datadog, Chef and more. www.signalsciences.com

Silobreaker

N 6579

Ransomware, threat intelligence, supply chain, risk management, risk & vulnerability assessment, physical security, phishing, malware, hackers & threats, big data analytics

Silobreaker helps intelligence professionals make sense of the overwhelming amount of data on the web. Providing powerful tools and visualizations that analyze data from hundreds of thousands of open sources, Silobreaker makes it easy for users to monitor and research companies and industries, threats, compromises, actors, instabilities, geopolitical developments or any other topic, incident or event. www.silobreaker.com

Simeio Solutions

S 2443

SSO, risk management, risk & vulnerability assessment, password management, managed security services, identity management & governance, compliance, cloud security, authentication, access control

Simeio enables employees, customers, citizens and partners to engage securely with anyone, anywhere and at anytime, by providing the industry's most complete enterprise-grade managed identity services. Simeio brings together best-of-breed platform technologies, total visibility, field-proven methodologies, and the most skilled identity experts anywhere. www.simeiosolutions.com

Sixgill

S 142

Artificial intelligence/machine learning, threat intelligence, identity theft, hackers & threats, fraud, forensics & e-discovery, exploit of vulnerability, cyberterrorism, behavioral analytics

Sixgill is a cyberthreat intelligence company that covertly and automatically analyzes deep and dark web activity helping to detect and prevent cyberattacks and sensitive data leaks before they occur. Utilizing advanced algorithms, Sixgill's cyber-intelligence platform provides organizations with continuous monitoring, prioritized real-time alerts and actionable intelligence. www.cybersixgill.com

Skybox Security

S 549

Application security, threat management, threat intelligence, security awareness, security analytics, security & threat visualization, network security, exploit of vulnerability, data security, cloud security

Skybox arms security teams with a powerful set of security management solutions that extract insight from security data silos to give unprecedented visibility of the attack surface, including all Indicators of Exposure (IOEs). With Skybox, security leaders can quickly and accurately prioritize and address vulnerabilities and threat exposures. www.skyboxsecurity.com

Skyguard ★

N 4217

Data loss prevention, security & threat visualization, risk management, network security, insider threats, hackers & threats

NEW PRODUCT Skyguard is a security company focused in insider threat protection (ITP) enabled by AI technologies. Skyguard solutions including data security, web security, email security, mobile security, cloud security and UEBA. Skyguard help enterprises to efficiently prevent themselves against security threats like APT attacks, phishing information and internal data theft. www.skyguard.com.cn

SOFTwarfare LLC ★

S 3333

DevSecOps, security architecture, network security, managed security services, government regulations, critical infrastructure, biometrics, authentication, application security, SSO

SOFTwarfare™ delivers an unparalleled experience of high speed hosted and supported integration of your technical infrastructure to automate repeatable transactions between your established infrastructure and then provide assurance through validation and monitoring that those middle-ware transactions continue to occur in a properly secured manner. Come see Cyber iPaaS on KillerAppz™ by SOFTwarfare™.

www.softwarfare.com

SolarWinds

S 1865

GDPR, managed security services, log management, intrusion prevention/detection, infrastructure security, data security, business continuity & disaster recovery, anti-spam, access control

SolarWinds is a leading provider of powerful and affordable IT infrastructure management software. Our products give organizations worldwide, regardless of type, size or IT infrastructure complexity, the power to monitor and manage the performance of their IT environments, whether on-premises, in the cloud or in hybrid models.

www.solarwinds.com

SonicWall

N 5559

Ransomware, zero-day vulnerability, security & threat visualization, mobile security, intrusion prevention/detection, hackers & threats, firewalls, denial of service, cloud security, anti-malware

SonicWall has been fighting the cybercriminal industry for over 25 years defending small, medium-size businesses and enterprises worldwide. Backed by research from the Global Response Intelligent Defense (GRID) Threat Network, our award-winning real-time breach detection and prevention solutions, coupled with the formidable resources of over 10,000 loyal channel partners around the globe, are the backbone securing more than a million business and mobile networks and their emails, applications and data. This combination of products and partners has enabled a real-time cyber-defense solution tuned to the specific needs of the more than 500,000 businesses in over 150 countries, so you can do more business with less fear.

www.sonicwall.com

SparkCognition

N 6585

Internet of Things, zero-day vulnerability, malware, endpoint security, data security, critical infrastructure, artificial intelligence/machine learning, anti-malware, Ransomware, PII

SparkCognition, a leading AI company, enables enterprise, MSSP and ISV customers to protect stakeholders from cyberthreats with advanced, AI-built endpoint protection products. DeepArmor, our next-generation machine learning-based approach to cybersecurity, reduces business risks from zero-day threats across every attack vector while providing deployment scale and simplicity.

www.sparkcognition.com



ITSP MAGAZINE

AT THE INTERSECTION OF IT SECURITY AND SOCIETY

EXHIBITING COMPANIES

SPHERE Technology Solutions

S 2366

GDPR, security analytics, risk management, infrastructure security, identity management & governance, governance risk & compliance, data security, authentication, artificial intelligence/machine learning, access control

SPHERE Technology Solutions is an award-winning, woman-owned cybersecurity business focusing on improving security and enhancing compliance. SPHERE puts the controls in place to secure your most sensitive data, create the right governance processes for your systems and assets, and make sure companies are compliant with the alphabet soup of regulations surrounding their respective industries.

www.sphereco.com

Spirent

N 6279

Application security, data loss assessment, data security, IoT, malware, network security, penetration testing, risk & vulnerability assessment, threat intelligence.

NEW PRODUCT Spirent is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, government and enterprise networks. We help bring clarity to increasingly complex security and business challenges by helping organizations enable their customers to conduct business safely, reliably and securely.

www.spirent.com

Spirion

N 6085

GDPR, security intelligence, security analytics, risk management, risk & vulnerability assessment, governance risk & compliance, endpoint security, data security, data loss prevention, PII

Spirion, headquartered in Saint Petersburg, Florida, is the leader in the command and control of sensitive data across your enterprise or SMB network and public cloud; ensuring rapid discovery, accurate classification and automated remediation. Spirion provides enterprise data management software to help businesses reduce their sensitive data footprint and proactively minimize the risks, costs and reputational damage of successful cyberattacks and meet regulatory and organizational compliance. To learn more, please visit:

www.spirion.com

Splunk

N 6169

SIEM, security analytics, orchestration & automation, log management, incident response, governance risk & compliance, fraud, cloud security, big data analytics, artificial intelligence/machine learning

Splunk Inc. (NASDAQ: SPLK) turns machine data into answers. Organizations use market-leading Splunk solutions with machine learning to discover their “aha” moments with machine data and solve their security challenges, including risk mitigation, incident response and compliance. Use Splunk software in the cloud and on-premises to improve the detection of insider and advanced threats, fraud and ransomware. Join millions of passionate users by trying Splunk software for free: www.splunk.com/free-trials.

www.splunk.com

SpyCloud

S 3140

Cloud security, security operations, security intelligence, security awareness, security analytics, password management, network security, hackers & threats, data security, data loss prevention

SpyCloud is the leader in account takeover (ATO) prevention. We strive to help businesses of all sizes mitigate account takeover by proactively remediating account exposures in an automated way. We accomplish this through our award-winning early warning breach detection service powered by a world-class team of security researchers. Check your exposure at:

www.spycloud.com

SSH Communications Security

S 126

GDPR, security architecture, risk & vulnerability assessment, operational technology (OT Security), key management, hackers & threats, government regulations, cloud security, audit, access control

We at SSH.com deliver some of the most advanced security and access software technology in the world. Our industry-leading solutions and expertise are used by Fortune 500 companies and federal agencies. The Secure Shell protocol that we invented in 1995 is vital to how people and machines access valuable resources and data everyday. We've been safeguarding the data economy ever since.

www.ssh.com

StackPath

S 1659

DevSecOps, web services security, security intelligence, security analytics, network security, data security, cloud security

StackPath is a platform of secure edge services that enables developers to protect, accelerate and innovate cloud properties ranging from websites to media delivery and IoT services. With an innovative global edge network infrastructure, StackPath delivers enterprise-grade security and performance in a frictionless, on-demand platform with cloud-scale control and flexibility.

www.stackpath.com

StackRox

N 4607

DevSecOps, security operations, risk management, risk & vulnerability assessment, network security, intrusion prevention/detection, infrastructure security, incident response, governance risk & compliance, application security

StackRox helps organizations secure their containerized applications at scale. The StackRox Container Security Platform maximizes the inherent security advantages of containers to help you harden your container environment. Learn more at:

www.StackRox.com

STEALTHbits Technologies

N 6375

DevSecOps, risk & vulnerability assessment, policy management, identity management & governance, governance risk & compliance, data security, critical infrastructure, access control, SIEM

STEALTHbits is a cybersecurity software company focused on protecting an organization's credentials and data. By removing inappropriate data access, enforcing security policy and detecting advanced threats, we reduce security risk, fulfill compliance requirements and decrease operations expense.

www.stealthbits.com

SteelCloud ★

N 6573

DevSecOps, risk management, risk & vulnerability assessment, orchestration & automation, incident response, governance risk & compliance, endpoint security, cyber-warfare & cyber-weapons, critical infrastructure, Internet of Things

SteelCloud Automated STIG and CIS Remediation. As a recognized leader in cybersecurity, we have implemented policy-compliant solutions in each of the DoD services, and in major DoD and civilian agencies—both in the US and around the world. Our patented ConfigOS software suite enables anyone to quickly establish a STIG or CIS compliant environment.

www.steelcloud.com

StrongKey

S 2339

GDPR, security services, secure payments & cryptocurrencies, key management, infrastructure security, governance risk & compliance, encryption strategy & trends, cryptography, authentication, PII

NEW PRODUCT StrongKey makes data breaches irrelevant by redefining how businesses and government agencies secure their information against the inevitability of a breach. While other security companies focus on protecting the perimeter, StrongKey secures the core through key management, strong authentication, encryption and digital signatures—keeping the core safe even with an attacker on the network.

www.strongkey.com

Subex Inc. ★

S 2441

Subex is a leading provider of IoT security solutions.
www.subex.com

Sucuri

N 6582

Anti-malware, web services security, managed security services, malware, intrusion prevention/detection, incident response, firewalls, denial of service, cloud security, application security

Sucuri is a globally recognized website security firm specializing in providing website administrators with comprehensive security solutions for their clients. Sucuri is a trusted leader in the website security space, known for their continued contribution to the information security domain through extensive research and thought leadership.
sucuri.net

Sumo Logic

S 2145

GDPR, threat intelligence, security analytics, SIEM

Sumo Logic is the leading cloud-native, machine data analytics platform that delivers continuous intelligence across the entire application lifecycle and stack. More than 1,600 customers around the globe rely on Sumo Logic for the analytics and insights to build, run and secure their modern applications and cloud infrastructures.
www.sumologic.com

SuperMicro Computer Inc.

S 157

Internet of Things, virtualization, containerization & segmentation, software defined networking, risk management, risk & vulnerability assessment, network security, infrastructure security, data security, critical infrastructure, cloud security

Supermicro® (NASDAQ: SMCI), the leading innovator in high-performance, high-efficiency server technology, is a premier provider of advanced server Building Block Solutions® for Data Center, Cloud Computing, Enterprise IT, Hadoop/Big Data, HPC and Embedded Systems worldwide. Supermicro is committed to protecting the environment through its "We Keep IT Green®" initiative.

SureCloud ★

N 5485

GDPR, risk & vulnerability assessment, privacy, policy management, penetration testing, government regulations, governance risk & compliance, data loss prevention, cloud security, audit

NEW PRODUCT SureCloud is a provider of cloud-based, integrated risk management products and cybersecurity services, which reinvent the way you manage risk. Unlike other GRC platform providers, SureCloud is adaptable enough to fit your current business processes without forcing you to make concessions during implementation, meaning you get immediate and sustained value from the outset.

www.surecloud.com

Sutter Health ★

S 135

Audit, risk management, risk & vulnerability assessment, professional development & workforce, privacy, metrics, incident response, hackers & threats, data security, data loss prevention

Sutter Health has positioned privacy and information security to unleash innovation in the healthcare space. We provide a suite of managed services for small-to-medium sized health care providers. Drop by to learn about our best-in-class privacy and information security solutions within these services. As a market leader, we are driving greater awareness for our products and services.

sutterhealth.org



MEDIA & ENTERTAINMENT TECHNOLOGIES

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Bright Blue Innovation
www.brightblueii.com

EXHIBITING COMPANIES

Swimlane

S 567

Hackers & threats, threat management, threat intelligence, security operations, security intelligence, security awareness, security analytics, phishing, orchestration & automation, metrics

Swimlane is a leader in security orchestration, automation and response (SOAR). We deliver seamless orchestration, automated workflows, dynamic case management and powerful analytics to maximize the incident response capabilities of over-burdened and understaffed security operations.

www.swimlane.com

Symantec

N 5645

www.symantec.com

SynerComm

S 2157

Application security, risk management, risk & vulnerability assessment, phishing, penetration testing, managed security services, infrastructure security, hackers & threats, consulting & professional services, audit

NEW PRODUCT SynerComm partners with our clients to access, validate, and improve their Information Security Program utilizing our vetted OneSSP™ methodology and our OneCDR™ co-managed services. We resell industry leading solutions like Palo Alto Networks and use our penetration testing practice to validate clients security postures.

www.synercomm.com

Synopsys

S 1135

DevSecOps, supply chain, software code vulnerability analysis, risk & vulnerability assessment, penetration testing, managed security services, consulting & professional services, cloud security, application security, GDPR

Synopsys offers the most comprehensive solution for building integrity—security and quality—into your SDLC and supply chain. We've united leading testing technologies, automated analysis, and experts to create a portfolio of products and services that enable companies to develop customized programs. Synopsys is a recognized leader in application security testing. Visit:

www.synopsys.com/software

TechGuard Security

N 6479

Consulting & professional services, social engineering, security consulting, security awareness, risk & vulnerability assessment, physical security, phishing, penetration testing, hackers & threats, exploit of vulnerability

TechGuard Security® was founded to protect the US critical infrastructure. Over the past 18+ years TechGuard has earned a reputation as a trusted cybersecurity partner to both the US government and businesses of all sizes. We ensure corporate transparency, implementation of best practices and operational excellence. TechGuard delivers a diverse array of cyber-solutions.

www.techguard.com

TEHTRIS ★

S 2429

TEKSystems ★

S 2462

TEKsystems Risk and Security can help redefine your security processes and rethink risk. We'll transform and safeguard your business so you can stay ahead of what's next. We're partners in transformation. As an industry leader in Full-Stack Technology and Talent Services with best-practice implementation, we work with progressive leaders to drive change. TEKsystems is an Allegis Group company.

www.teksystems.com

Telefonica Business Solutions

S 241

GDPR, threat intelligence, risk management, risk & vulnerability assessment, orchestration & automation, managed security services, cloud security, behavioral analytics, artificial intelligence/machine learning, Internet of Things

Telefónica is one of the world's largest Telcos, a leader in technological innovation, recognised as O2 in the UK and Germany, Movistar in Spain and Latin America, and Vivo in Brazil. ElevenPaths, Telefónica's cybersecurity unit, provides innovative solutions to prevent, detect and respond to today's increasingly more sophisticated cyberthreats, to support its clients throughout their digital journeys.

www.elevenpaths.com/news-events/rsa-conference-2018/index.html

Telesoft Technologies

N 4309

Critical infrastructure, security operations, security architecture, security analytics, security & threat visualization, network security, intrusion prevention/detection, infrastructure security, incident response, data security

Telesoft Technologies, a global provider of cybersecurity and government infrastructure products, provides total network visibility for carrier scale networks. By using a combination of real-time flow monitoring, data prioritization and aggregation, IP reputation, signature matching and selective record has enabled security analysts to discover anomalous behaviour and threats at carrier scale.

www.telesoft-technologies.com

Tenable

N 5445

DevSecOps, software code vulnerability analysis, risk & vulnerability assessment, patch management, operational technology (OT Security), network security, critical infrastructure, cloud security, Ransomware, Internet of Things

www.tenable.com

Teramind

S 1947

GDPR, risk management, privacy, insider threats, hackers & threats, government regulations, governance risk & compliance, data security, data loss prevention

Teramind is a leading, global provider of employee and user activity monitoring, user behavior analytics, insider threat detection, forensics and data loss prevention solutions. Over 2,000 organizations in finance, retail, manufacturing, energy, technology, healthcare and government verticals trust Teramind's award-winning platform to detect, record and prevent malicious user behavior.

www.teramind.co

Terranova Security

N 4314

GDPR, social engineering, security awareness, privacy, phishing, malware, identity theft, data security, consulting & professional services, Ransomware

Global leader in cybersecurity awareness, with 1,000+ successful phishing, GDPR and security awareness programs. Terranova Security Awareness 5-Step Framework provides a step by step approach to build successful security awareness programs. Industry's richest and highly interactive content can be personalized and available in 40+ languages, allowing to protect data and drastically reduce breaches.

www.terrano vasecurity.com

Tessian

N 4616

GDPR, security intelligence, risk management, privacy, hackers & threats, governance risk & compliance, deception-based security, data loss prevention, behavioral analytics, artificial intelligence/machine learning

Tessian is a machine intelligent email security platform that automatically prevents cybersecurity threats like spear phishing, misaddressed emails, unauthorized emails (data loss) and noncompliance. Tessian makes email safe at some of the world's largest enterprises across the financial, legal and technology sectors.

www.tessian.com

Thales eSecurity Inc.

N 6183

Internet of Things, web services security, network security, mobile security, key management, encryption strategy & trends, data security, cryptography, cloud access security brokers (CASB), big data analytics

Thales eSecurity is a leader in advanced data security solutions and services, delivering trust wherever information is created, shared or stored. We ensure that company and government data is secure and trusted in any environment—on premise, in the cloud, in data centers and in big data environments—without sacrificing business agility. Security doesn't just reduce risk, it's an enabler of the digital initiatives that now permeate our daily lives—digital money, e-identities, healthcare, connected cars and with the Internet of Things (IoT), even household devices. Security professionals around the globe rely on Thales to confidently accelerate their organization's digital transformation. Thales eSecurity is part of Thales Group.

www.thalesecurity.com

The Media Trust

S 3300

GDPR, threat intelligence, privacy, malware, governance risk & compliance, exploit of vulnerability, data security, botnets, artificial intelligence/machine learning

The Media Trust is on a mission to fix the Internet by creating a healthier environment for businesses, governments and consumers. Our centralized platform provides real-time visibility into noncompliant activity and threats operating on enterprise websites and mobile apps. Controlling these risks helps defend against breaches which can lead to regulatory fines, revenue loss and brand damage.

www.themediatrust.com

Thinkst Canary

N 6487

Cloud security, security services, network security, insider threats, incident response, hackers & threats, deception-based security

Deployed on all seven continents, Thinkst Canary deploys in minutes and lets you know when other controls have failed. Available in hardware, VMWare images or AWS machines, Thinkst Canaries are loved the world-over by smart infosec folk. <https://canary.tools/love>
<https://canary.tools>

ThreatBook

N 5362

Artificial intelligence/machine learning, threat management, threat intelligence, security intelligence, security analytics, network security, managed security services, hackers & threats, cloud security, big data analytics

NEW PRODUCT ThreatBook is the leading threat intelligence vendor from China. Since its establishment in 2015, Threat Detection Platform protects millions of systems across different industries. X, our online Threat Analysis Platform, is the most active TI community in APAC. We are also the only Chinese vendor listed in Gartner's Market Guide for Security Intelligence Products and Services.

<https://threatbook.cn>

Threatcare

N 6486

Application security, security services, security consulting, security awareness, secure coding, risk management, risk & vulnerability assessment, policy management, penetration testing, governance risk & compliance

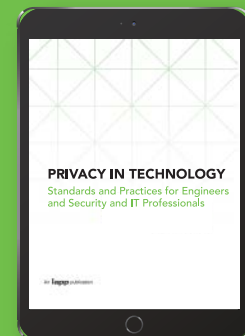
NEW PRODUCT Threatcare builds, measures and maintains strong cybersecurity programs by automating processes via software to expedite how organizations prove they're secure. Threatcare's solutions combine proactive software, holistic procedures and cybersecurity experts to provide improved protection and visibility across the enterprise. Call (833) 365-CARE or visit:

www.threatcare.com

iapp

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PRIVACY
WHEN I HAVE
SECURITY?

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'Privacy in Technology: Standards and Practices for Engineers and Security' is the reference text for IT professionals exploring the relationship between privacy and security, or training for the IAPP's globally recognized Certified Information Privacy Technologist (CIPT) credential.

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EXHIBITING COMPANIES

ThreatConnect, Inc.

N 6570

Hackers & threats, threat management, threat intelligence, security operations, security intelligence, security analytics, security & threat visualization, orchestration & automation, malware, incident response

ThreatConnect, Inc.[®], the pioneer in threat intelligence platforms, provides organizations a powerful cyberthreat defense and the confidence to make strategic business decisions. Built on the industry's only extensible security platform, ThreatConnect's product suite meets the threat intelligence aggregation, analysis, automation and orchestration needs of any size security team.
www.threatconnect.com

ThreatModeler Software, Inc. ★

S 2468

DevSecOps, threat management, security operations, network security, hackers & threats

Security Starts with ThreatModeler™—the industry's #1 Automated Threat Modeling Platform. ThreatModeler is an innovative enterprise threat modeling platform that helps organizations fully integrate security into their SDLC and reduce their overall risk posture.
www.threatmodeler.com

ThreatQuotient

S 3430

Hackers & threats, threat management, threat intelligence, security operations, security intelligence, security architecture, security & threat visualization, phishing, orchestration & automation, incident response

ThreatQuotient simplifies and accelerates security operations through a platform that creates a unified workspace for threat, SOC and IR analysts to understand threats, perform investigations and collaborate across teams and tools. ThreatQuotient's solutions reduce noise, highlight top priority threats and automate processes to provide greater focus and decision support.
www.ThreatQuotient.com

Thycotic

N 6259

Access control, risk & vulnerability assessment, password management, insider threats, infrastructure security, identity management & governance, compliance risk & compliance, endpoint security, cloud security, audit

The easiest to manage and most readily adopted privilege management solutions are powered by Thycotic. Thycotic's security tools empower over 10,000 organizations, from small businesses to the Fortune 500, to limit privileged account risk, implement least privilege policies, control applications and demonstrate compliance. Thycotic makes enterprise-level privilege management accessible for everyone by eliminating dependency on overly complex security tools and prioritizing productivity, flexibility and control. Headquartered in Washington, DC, Thycotic operates worldwide with offices in the UK and Australia. For more information, please visit:
www.thycotic.com

Tinfoil Security, Inc.

S 3216

DevSecOps, web services security, threat management, threat intelligence, penetration testing, mobile security, hackers & threats, exploit of vulnerability, endpoint security, application security

Tinfoil Security brings much-needed tools that require no additional burden or platforms to learn. Our effortless SaaS cybersecurity solutions protect the hard work of your DevOps teams. By focusing on developers, our web and API scanners have proven to streamline the security process to provide the first line of security tools that easily integrate into any DevOps and SDLC development processes.
www.tinfoilsecurity.com

Titan IC

N 6561

Ransomware, threat intelligence, security architecture, security analytics, network security, malware, intrusion prevention/detection, firewalls, data loss prevention, anti-malware

Titan IC is a world-leading supplier of hardware engines for content analysis on high-speed network traffic. Our core technology is a Regular Expression Processor (RXP), an advanced content processing solution used to accelerate cybersecurity analysis and to enable companies to offload complex regular expressions used to run security processes.
www.titanicsystems.com

Titania

N 6471

Audit, risk & vulnerability assessment, network security, governance risk & compliance, firewalls, critical infrastructure

www.titania.com

TOYO Corporation

S 2265

Artificial intelligence/machine learning, threat intelligence, security analytics, security & threat visualization, forensics & e-discovery, cyber-insurance, authentication

TOYO Corporation (TSE: 8151) is a Japanese technology company headquartered in Tokyo, Japan, with subsidiaries in the United States and China. Since 1953, TOYO has contributed to global industrial development as the leading technology provider of advanced measurement systems including originally-developed products. We show SYNESIS, a packet capture with our strategic partner Garland Technology.
www.synesis.tech/en – www.toyo.co.jp/english

TrapDocs ★

S 269

Artificial intelligence/machine learning, deception-based security, data loss prevention

NEW PRODUCT Protect your documents using cyber-traps. TrapDocs automatically creates and manages honeyfiles amongst your important files. We make novel use of AI to generate realistic content that blends with your documents. Intruder interaction with these files alerts you to their presence and allows you to learn the adversary's intent. TrapDocs can integrate with other cyber-tools and deception products.
<https://penten.com/trapdocs>

Trend Micro

S 627

www.trendmicro.com

TriagingX

S 2165

Anti-malware, security intelligence, managed security services, malware, infrastructure security, incident response, hackers & threats, endpoint security, cloud security, behavioral analytics

TriagingX provides powerful and simple to use threat hunting, file/URL behavior analysis, endpoint and data center server protection tools that enable organizations to rapidly detect zero-day and fileless threats on their devices. The automated analysis goes beyond signatures or static IOC's by informing and adapting the defenses to the attack techniques in order to prevent the breach.
www.triagingx.com

Tripwire

N 6345

www.tripwire.com

TrustArc

N 6571

www.Truste.com

Trustifi ★

S 3341

Trustonic

S 3338

BYOD, secure payments & cryptocurrencies, mobile security, identity management & governance, digital rights management, cryptography, blockchain & distributed ledger, biometrics, application security, Internet of Things

Trustonic embeds the best security into the world's smart devices and empowers mobile and IoT developers to build the trust required to deliver simple, fast and secure apps and services. Companies using Trustonic solutions include Symantec VIP, Samsung Knox, Samsung Pay, Alipay and WeChat Pay.

www.trustonic.com

Trustwave

N 5565

Application security, threat management, risk management, penetration testing, network security, managed security services, intrusion prevention/detection, incident response, endpoint security, data security

NEW PRODUCT Trustwave helps businesses fight cybercrime, protect data and reduce security risk. With cloud and managed security services, integrated technologies and a team of security experts, ethical hackers and researchers, Trustwave enables businesses to transform the way they manage their information security and compliance programs. More than three million businesses are enrolled in the Trustwave TrustKeeper® cloud platform, through which Trustwave delivers automated, efficient and cost-effective threat, vulnerability and compliance management. Trustwave is headquartered in Chicago, with customers in 96 countries. Click on the sheet below to find out why you should choose Trustwave to protect your business.

www.trustwave.com/en-us

Tufin

N 5777

Tufin® is the leader in Network Security Policy Orchestration, providing enterprises with the ability to streamline the management of security policies across complex, heterogeneous environments. Serving over 2,000 customers and more than half of the top 50 companies in the Forbes Global 2000, Tufin's network security automation enables enterprises to implement changes in minutes with proactive risk analysis and continuous policy compliance. Tufin assures business continuity with a robust security posture, rapid service delivery and regulatory compliance across physical, private, public and hybrid cloud environments. Find out more at:

www.tufin.com

Twistlock ★

S 3232

DevSecOps, zero trust, virtualization, containerization & segmentation, risk & vulnerability assessment, orchestration & automation, intrusion prevention/detection, incident response, firewalls, cloud security, application security

Twistlock is the leading provider of full-stack, full-lifecycle container and cloud-native cybersecurity. Twistlock is complete cloud-native cybersecurity for containers, VMs, serverless and more. Twistlock is the most complete, automated and scalable cloud-native cybersecurity platform.

<http://twistlock.com>



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EXHIBITING COMPANIES

UL

N 4617

Internet of Things, security services, security architecture, secure payments & cryptocurrencies, risk & vulnerability assessment, mobile security, key management, identity management & governance, governance risk & compliance, biometrics

With a focus on today's realities and tomorrow's needs, UL provides the trusted and critical security expertise that is required in an interconnected and cashless world. Governments and organizations rely on UL as a trusted partner. Our security and identity management expertise enable businesses to implement innovations are compliant, maintain customer trust and increase market access.

www.ims.ul.com

Unbound

S 2451

BYOD, key management, data security, data loss prevention, cryptography, cloud security, blockchain & distributed ledger

Unbound Tech protects secrets such as cryptographic keys, credentials or other private data by ensuring they never exist anywhere in complete form. Adopted by Fortune 500 companies, Unbound's elastic and agile platform protects secrets on untrusted infrastructure and removes dependence on dedicated security hardware, delivering a novel approach to security and privacy designed for the digital era.

www.unboundtech.com

UNICOM Government

S 1741

Internet of Things, risk & vulnerability assessment, physical security, network security, mobile security, forensics & e-discovery, data loss prevention, cloud security, blockchain & distributed ledger, big data analytics

For more than 35 years, UNICOM Government, Inc. (UGI) has provided our customers with complex IT solutions as well as engineering, project management and subject matter expertise. As a reliable source for advanced IT products and services, UGI helps organizations transform technology components into complete IT infrastructure solutions that support objectives and evolving business demands.

www.unicomgov.com

UnifyID

N 5348

Artificial intelligence/machine learning, risk management, mobile security, intrusion prevention/detection, identity theft, identity management & governance, fraud, biometrics, behavioral analytics, authentication

UnifyID is the first implicit authentication platform designed for online and physical world authentication scenarios. Our solution utilizes sensor data from everyday devices and machine learning to seamlessly authenticate users from behavioral and environmental attributes. We provide a confidence score allowing our partners to grant access or initiate alternative verification.

<https://unify.id>

Unisys

N 6464

SIEM, zero trust, security consulting, risk management, network security, managed security services, malware, endpoint security, data security, biometrics

Unisys Zero Trust identifies, validates and protects trusted users and devices, providing them with secure, encrypted access to your organization's critical systems and data. Our managed approach succeeds where fixed policies fail—using automation powered by advanced analytics to adjust access rights at the first sign of compromise. And because threats evolve, we monitor and adapt policies to ensure a resilient Zero Trust security posture.

www.unisys.com

uQontrol, Inc. ★

S 3141

Internet of Things, privacy, physical security, password management, mobile security, authentication, anti-malware, access control

Untangle

N 4229

Internet of Things, software defined networking, policy management, network security, managed security services, firewalls, cloud security

Untangle is an innovator in cybersecurity products designed specifically for the below-enterprise market, safeguarding businesses, home offices, nonprofits, schools and governmental organizations. Untangle's integrated suite of software and appliances provides enterprise-grade capabilities and consumer-oriented simplicity to organizations with limited IT resources.

www.untangle.com

Utimaco

S 2039

NEW PRODUCT Utimaco is a leading manufacturer of hardware security modules (HSMs) that provide the Root of Trust protecting critical infrastructures and data assets. Together with Atalla, our latest acquisition, Utimaco is committed to keeping cryptographic keys and digital identities safe. With over 1,000 installations across 80 countries, Utimaco product family offers unrivaled trust—now and in future.

<http://hsm.utimaco.com>

Vade Secure

N 4415

Ransomware, zero-day vulnerability, social engineering, security services, phishing, cloud security, behavioral analytics, artificial intelligence/machine learning, anti-spam, anti-malware

NEW PRODUCT As a Cybersecurity pure player, Vade Secure helps SMBs, enterprises, ISPs and OEMs protect their users from advanced cyberthreats, such as phishing, spear phishing, malware and ransomware. Vade Secure's technology is available as a native, API-based offering for Office 365, as cloud-based solutions, or as lightweight, extensible APIs for enterprise SOCs.

www.vadecure.com

Varonis

N 5579

www.varonis.com

Venafi

N 6359

DevSecOps, security architecture, network security, mobile security, key management, identity management & governance, governance risk & compliance, data security, cloud security, Internet of Things

Venafi is the cybersecurity market leader in machine identity protection, securing connections and communications between machines. Venafi protects machine identity types by orchestrating cryptographic keys and digital certificates for SSL/TLS, IoT, mobile and SSH. Venafi provides global visibility of machine identities and the risks associated with them for the extended enterprise—on premises, mobile, virtual, cloud and IoT—at machine speed and scale. Venafi puts this intelligence into action with automated remediation that reduces the security and availability risks connected with weak or compromised machine identities while safeguarding the flow of information to trusted machines and preventing communication with machines that are not trusted.

www.venafi.com

Vera

S 2260

BYOD, insider threats, encryption strategy & trends, digital rights management, data sovereignty, data security, data loss prevention, cloud access security brokers (CASB), access control

Vera Security's Always-on File Security protects sensitive information anywhere it travels. Built on a scalable, easy-to-integrate platform, Vera attaches encryption, security and policy directly to the data itself, giving security practitioners and IT teams visibility, control and the ability to report which users can access sensitive data, no matter where it goes.

www.vera.com

Veracode

N 6161

DevSecOps, zero-day vulnerability, web services security, security services, security consulting, security awareness, secure coding, risk & vulnerability assessment, governance risk & compliance, application security

Veracode enables the secure development and deployment of the software that powers the application economy. With its combination of automation, process and speed, Veracode becomes a seamless part of the software lifecycle, eliminating the friction that arises when security is detached from the development and deployment process. As a result, enterprises are able to fully realize the advantages of DevOps environments while ensuring secure code is synonymous with high-quality code.

www.veracode.com

Veriato

N 4418

Artificial intelligence/machine learning, threat intelligence, security intelligence, security analytics, insider threats, incident response, hackers & threats, fraud, data security, behavioral analytics

Veriato develops advanced AI powered solutions that provide companies with visibility into, and an understanding of the human behaviors and activities occurring within their network. Thousands of companies in over 100 countries use our world-class software to protect their most valuable assets, reduce risk, and gain unparalleled visibility into operations.

www.veriato.com

Veridium

N 4427

SSO, zero trust, security architecture, password management, identity theft, identity management & governance, fraud, biometrics, authentication, access control

Veridium is a leader in the development of strong authentication software for enterprises seeking to eliminate passwords, PINs or tokens with biometrics for both employees and consumers. By capturing biometrics from a smartphone for MFA, Veridium provides secure and convenient access to applications, websites, all by you being you, and at a lower total cost of ownership than comparable solutions.

www.veridiumid.com

Verizon

S 1541

Consulting & professional services, threat intelligence, security operations, risk & vulnerability assessment, network security, managed security services, incident response, governance risk & compliance, forensics & e-discovery, data security

Protect against today's cyberthreats and prepare for what's next. Our cybersecurity solutions use data and analytics to help you understand your security posture and protect your business from the threats most likely to impact it. We tap into our vast global network and over 25 years of security experience to analyze attack trends, helping enterprises make more informed, data-driven decisions.

www.verizonenterprise.com

Verodin

N 4214

SIEM, virtualization, containerization & segmentation, security analytics, risk management, orchestration & automation, network security, governance risk & compliance, endpoint security, data security, cloud security

Verodin is a business platform that provides organizations with the evidence needed to measure, manage, and improve their cybersecurity effectiveness. The Verodin Security Instrumentation Platform (SIP) provides proof that cybersecurity technologies and processes are effective across endpoint, email, cloud, and network controls, enabling organizations to continuously validate their protection.

<http://Verodin.com>



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Virginia Economic Development Partnership **N 5364**

With dedicated and knowledgeable professionals committed to Virginia's economic success, the Virginia Economic Development Partnership helps businesses find the resources they need to make relocation and expansion successful endeavors.
www.vedp.org

Virsec **S 2167**

Ransomware, zero-day vulnerability, web services security, operational technology (OT Security), malware, infrastructure security, hackers & threats, critical infrastructure, application security, anti-malware

NEW PRODUCT Virsec is an innovative cybersecurity leader protecting critical applications from advanced threats. Virsec definitively prevents attacks that bypass conventional security, such as fileless attacks, memory exploits and attacks that weaponize at runtime. Patented Trusted Execution™ deterministically stops attacks in real time, delivering unprecedented accuracy, while eliminating false positives.

www.virsec.com

Virtual Forge Inc. **N 5360**

DevSecOps, security awareness, secure coding, penetration testing, hackers & threats, data security, data loss prevention, application security, access control, SIEM

Virtual Forge is the leading provider of cybersecurity solutions for SAP. Our solutions enable our customers to run their SAP applications securely.

www.virtualforge.com

VMRay **N 5473**

Ransomware, threat intelligence, malware, incident response

VMRay Analyzer is a market-leading automated malware analysis and detection platform. It brings together a revolutionary, dynamic analysis engine with rapid reputation and static analysis, providing total visibility into malware behavior and noise-free output for fast, accurate incident response. Completely invisible to malware, VMRay Analyzer detects even the most evasive threats.

www.vmray.com

VMware **N 5655**

DevSecOps, virtualization, containerization & segmentation, software defined networking, network security, mobile security, infrastructure security, firewalls, endpoint security, business continuity & disaster recovery, application security

VMware software powers the world's complex digital infrastructure. The company's compute, cloud, mobility, networking and security offerings provide a dynamic and efficient digital foundation to more than 500,000 customers globally, aided by an ecosystem of 75,000 partners. This year, VMware celebrates 20 years of breakthrough innovation benefiting business and society.

www.vmware.com

Votiro **N 4331**

Ransomware, zero-day vulnerability, phishing, malware, hackers & threats, governance risk & compliance, exploit of vulnerability, endpoint security, cyber-insurance, anti-malware

Votiro is an award-winning cybersecurity company with a mission of securing organizations throughout their digital transformation journey. Our proprietary next-generation CDR technology allows users to safely open email attachments, download and transfer files, share content, and use removable media, while keeping performance and functionality intact. Votiro is certified by Common Criteria.

www.votiro.com

Wallarm **N 4604**

DevSecOps, web services security, threat intelligence, secure coding, hackers & threats, exploit of vulnerability, cloud security, artificial intelligence/machine learning, application security, GDPR

Wallarm AI-powered security platform automates application protection and security testing. Hundreds of customers already rely on Wallarm to secure websites, microservices and APIs running on private and public clouds. Wallarm AI enables application-specific dynamic WAF rules, proactively tests for vulnerabilities, and creates feedback loop to improve detection accuracy.

www.wallarm.com

WALLIX **S 3225**

DevSecOps, password management, insider threats, identity management & governance, data security, data loss prevention, cryptography, cloud security, audit, access control

WALLIX supports companies in their digital transformation by offering data protection, access security and identity management solutions to help them protect their corporate assets. With WALLIX cybersecurity is simplified.

www.wallix.com

Wangsu ★ **S 3218**

Application security, security services, security intelligence, security awareness, security analytics, network security, managed security services, firewalls, data security, cloud security

Relying on massive data resources, Wangsu Cloud Security Platform defended 2.5 billion times attacks for global websites every day on average in the first half of 2018. Wangsu Cloud Security Platform provides a full range of security products and solutions, such as DDoS protection, Web Application Protection, Secure Enterprise Access, CyberSA and Security Evaluation.

www.wangsu.com

WatchGuard Technologies **S 943**

www.watchguard.com

WEBROOT **S 927**

Ransomware, threat intelligence, security awareness, phishing, network security, managed security services, endpoint security, botnets, artificial intelligence/machine learning, anti-malware

Webroot delivers endpoint security, network security, threat intelligence services, DNS protection and security awareness training to protect businesses and individuals around the globe. As the first company to harness the cloud and artificial intelligence to stop zero-day threats in real time, Webroot protects against cyberattacks across multiple threat vectors. Webroot is trusted and integrated by market-leading technology partners, including Citrix, Cisco, F5 Networks, Aruba, Palo Alto Networks, A10 Networks. Discover Smarter Cybersecurity® solutions at:

www.webroot.com

Whistic **S 3103**

GDPR, web services security, standards, security awareness, risk management, risk & vulnerability assessment, policy management, managed security services, governance risk & compliance, cyber-insurance

Whistic enables customers to conduct and respond to vendor security reviews on a single platform. Whistic reduces friction by automating and streamlining security reviews, enabling infosec teams to more efficiently understand the security and compliance posture of vendors, and empowering sales teams to standardize their responses to security questionnaires.

www.whistic.com

WhiteHat Security **S 1459**

www.whitehatsec.com

WhiteSource S 1765

www.whitesourcesoftware.com

WireWheel N 4426 ★

WolfSSL, Inc. N 6470

Internet of Things, security consulting, secure payments & cryptocurrencies, network security, mobile security, endpoint security, cryptography, cloud security

wolfSSL is an open source TLS library. wolfSSL's products offer optimal performance, rapid integration, leverage hardware crypto and support for the most current standards. wolfSSL is the best tested crypto, the #1 TLS in IoT and the first embedded TLS 1.3 platform with TPM 2.0, MQTT, FIPS 140 certification, hardware crypto acceleration and secure enclave support. All backed by 24/7 support.

www.wolfssl.com

WootCloud Inc. S 3127 ★

XM Cyber N 4218

Cyber warfare & cyber weapons, security awareness, security & threat visualization, risk management, risk & vulnerability assessment, penetration testing, orchestration & automation, network security, infrastructure security, hackers & threats

XM Cyber provides the first fully automated APT simulation and remediation platform to continuously expose attack vectors and to prioritize actionable remediation. XM Cyber operates as an automated purple team, combining red and blue teams' processes to ensure that organizations are always one step ahead of the hacker.

www.xmcyber.com

XTN Cognitive Security N 4330

Anti-malware, phishing, mobile security, fraud, endpoint security, biometrics, behavioral analytics, authentication, artificial intelligence/machine learning, application security

XTN Cognitive Security leads the way in the development of security and antifraud behavioral advanced solutions. XTN provides comprehensive fraud prevention, advanced endpoint threat protection and frictionless multifactor authentication for some of the most world's most critical services, helping companies and institutions to protect their businesses and their customers' sensitive data.

www.xtn-lab.com

Yubico S 2162

www.yubico.com

Zentera Systems S 3102

Application security, zero trust, software defined networking, security architecture, security & threat visualization, network security, endpoint security, critical infrastructure, cloud security, cloud access security brokers (CASB)

www.zentera.net

ZeroFOX S 1859

Insider threats, threat intelligence, social networking, social engineering, security & threat visualization, risk management, physical security, phishing, managed security services, malware

ZeroFOX, the market leader in social media and digital protection, safeguards modern organizations from dynamic security, brand and physical risks across social, mobile, web and collaboration platforms. The ZeroFOX Platform identifies and remediates targeted phishing attacks, credential compromise, data exfiltration, brand hijacking, executive and location threats and more.

www.ZeroFOX.com

Zhongguancun Overseas Science Park S 635, S 735

www.zgc.gov.cn

Ziften S 1149

DevSecOps, zero-day vulnerability, security analytics, network security, intrusion prevention/detection, incident response, hackers & threats, endpoint security, data security, cloud security

We simplify endpoint protection plus visibility. Ziften's cloud-delivered endpoint protection platform prevents attacks on enterprise endpoints—laptops, desktops, servers and cloud—with advanced AV, endpoint detection and response, plus endpoint visibility and hardening. The result is simple, continuous protection to stop attacks with the people and budget you already have.

<https://ziften.com>

Zimperium N 4410

BYOD, zero-day vulnerability, threat intelligence, network security, mobile security, hackers & threats, endpoint security, artificial intelligence/machine learning, application security, anti-malware

Zimperium, Inc. is a global leader in mobile security, offering real-time, on-device protection against both known and unknown Android and iOS threats. The Zimperium platform leverages award-winning machine learning-based engine, z9, to protect mobile data, apps and sessions against device compromises, network attacks and malicious apps.

<http://Zimperium.com>

ZingBox S 2438

Internet of Things, threat management, threat intelligence, security intelligence, security analytics, network security, hackers & threats, behavioral analytics, artificial intelligence/machine learning, PII

Zingbox is the provider of the most widely deployed healthcare Internet of Things (IoT) analytics platform, and a recipient of the Gold Stevie Award for Most Innovative Company. Zingbox's device-specific AI-powered machine learning platform uses the first real-time deep behavioral learning technology for connected medical devices. For more information, please visit us at:

www.zingbox.com

Zix N 5470

BYOD, phishing, malware, governance risk & compliance, endpoint security, data loss prevention, cryptography, cloud security, business continuity & disaster recovery, Ransomware

Zix is a leader in email security and trusted by more than 21,000 customers, including the nation's most influential institutions in healthcare, finance and government. Zix delivers superior, easy-to-use solutions and support for email encryption and data-loss prevention, advanced threat protection, unified archiving and bring-your-own-device (BYOD) mobile security. Focusing on the protection of business communication, Zix enables its customers to better secure data and meet compliance needs. For more information, please visit:

www.zixcorp.com

Zscaler S 1055

Cloud security, zero trust, zero-day vulnerability

Zscaler (NASDAQ: ZS) enables the world's leading organizations to securely transform their networks and applications for a mobile and cloud-first world. Its flagship services, Zscaler Internet Access™ and Zscaler Private Access™, create fast, secure connections between users and applications, regardless of device, location or network.

www.zscaler.com

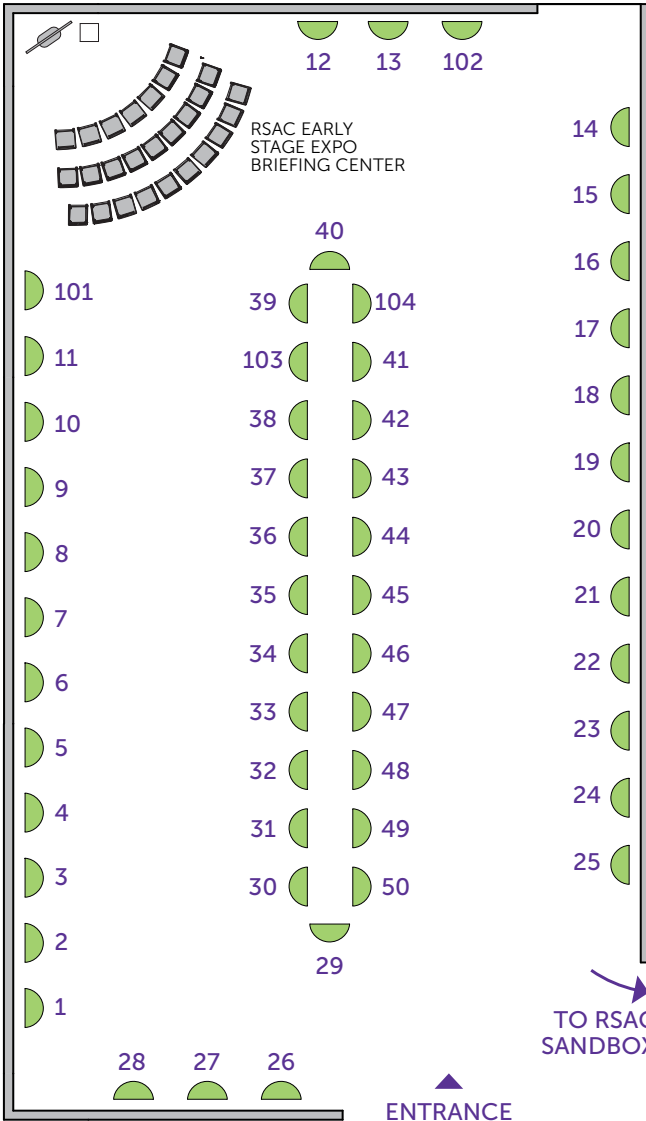
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PARTICIPATING COMPANIES

Abnormal Security ★

ESE 104

Ransomware, social engineering, security operations, phishing, identity theft, hackers & threats, fraud, behavioral analytics, artificial intelligence/machine learning, anti-spam

Abnormal Security instantly detects the advanced email attacks that evade traditional email security solutions, such as business email compromise, social engineering, and email account compromise. These comprise ~1 percent of email attacks by volume, but create more financial damages than all other cybercrimes combined. With a one-click integration, our deployment model works in harmony with your SEG. www.abnormalsecurity.com

ArecaBay Inc. ★

ESE 10

DevSecOps, zero trust, penetration testing, network security, data security, data loss prevention, cloud security, application security, access control, GDPR

NEW PRODUCT ArecaBay enables infosec and DevOps teams to discover, monitor and secure APIs. Built on the tenets that APIs are the new universal protocols, our unique Network Engine approach enables API security without impacting applications. Headquartered in Los Altos, CA, ArecaBay has a team of veterans with a proven track record in building enterprise security products used by thousands of customers. www.arecabay.com

Armor Scientific ★

ESE 33

Internet of Things, zero trust, key management, identity management & governance, government regulations, cryptography, blockchain & distributed ledger, biometrics, artificial intelligence/machine learning, access control

Armor Scientific delivers the first Identity Governance Platform for Universal Access Management. Armor includes a wearable GPS enabled biometric hardware token that eliminates user name and password. Users and devices are all protected by location-aware multi factor authentication, a blockchain enabled cryptographic trust domain, AI/ML behavior analytics, and an outcome-assured workflow engine. www.armorsci.com

Armorblox ★

ESE 23

GDPR, social engineering, policy management, phishing, identity management & governance, governance risk & compliance, data security, data loss prevention, artificial intelligence/machine learning, PII

Armorblox secures the human layer by using the latest techniques in machine learning (ML) and artificial intelligence (AI) to protect organizations against data- and identity-based attacks. www.armorblox.com

Atomicorp ★

ESE 30

Cloud security, threat management, threat intelligence, security & threat visualization, risk & vulnerability assessment, orchestration & automation, intrusion prevention/detection, governance risk & compliance, exploit of vulnerability, data security

Building on the power of OSSEC, the world's leading open source intrusion detection system, Atomicorp shields enterprise workloads from attack—in the cloud, on-premise, or in hybrid environments. Atomicorp's automated and adaptive approach to workload protection simplifies both security and operations, ensuring that enterprises can move fast without introducing risks. www.atomicorp.com

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Tuesday, March 5	4:45 PM – 6:30 PM*
Wednesday, March 6	8:00 AM – 4:00 PM
Thursday, March 7	8:00 AM – 3:00 PM

* Open to Full Conference Pass holders, Tuesday One-Day Full Conference Pass holders, Press and CyBEER Ops ticket-holders only.

Automox ★ ESE 07

www.automox.com

Avocado Systems, Inc. ESE 06

DevSecOps, zero trust, zero day vulnerability, web services security, virtualization, containerization & segmentation, infrastructure security, data security, cloud security, artificial intelligence/machine learning, application security

Avocado Systems deterministic run-time application security platform protects Web tier, App tier and DB tier against the threats which move in the lateral directions and are not detected by legacy threat detection approaches such as signature or behavior-based.

www.avocadosys.com

Axonius ★ ESE 27

Access control, security operations, security & threat visualization, risk & vulnerability assessment, policy management, patch management, orchestration & automation, network security, mobile security, incident response

Axonius is the only cybersecurity asset management platform that provides organizations with complete visibility and automated policy validation on all assets, devices and users. By seamlessly integrating with over 100 existing management and security technologies, the Axonius platform is deployed in minutes to enable organizations to embrace innovation and accelerate speed to value.

www.axonius.com

Basil Security ★ ESE 19

DevSecOps, zero trust, policy management, log management, key management, insider threats, governance risk & compliance, cloud security, blockchain & distributed ledger, GDPR

NEW PRODUCT Basil Security, Inc., the Zero Trust Operations™ company, provides advanced technology solutions for cybersecurity and regulatory compliance. Basil's revolutionary software defined security platform is the world's first stateful, distributed security policy enforcement system with immutable, unified audit logging.

www.basilsecurity.com

Build38 ★ ESE 101

www.build38.com

Cequence Security ★ ESE 50

www.cequence.ai

Cloudscreen ★ ESE 20

GDPR, security & threat visualization, insider threats, incident response, forensics & e-discovery, data security, cloud access security brokers (CASB), big data analytics, behavioral analytics, PII

Cloudscreen's Unified Data Security (UDS) platform is the first of its kind to provide comprehensive and unified security protection for business data and personal data. Cloudscreen helps enterprises manage their digital assets by identify, inventory data and visualize data flow between users, devices, and cloud apps. Cloudscreen was founded in 2017 and backed by Northern Light Venture Capital.

www.cloudscreen.com

Code Dx ★ ESE 25

DevSecOps, security analytics, secure coding, risk management, orchestration & automation, government regulations, governance risk & compliance, exploit of vulnerability, application security

Code Dx, the leading AppSec management system, automates and accelerates AppSec testing, triage, compliance checking, and remediation of software vulnerabilities. It connects to over 60 scanners and issue trackers, and provides a central platform to view software security at a project or enterprise level, and to take action at DevSecOps speed. Reduce false positives and AppSec time with Code Dx.

www.codedx.com

CryptoMove, Inc. ESE 21

Quantum computing, secure payments & cryptocurrencies, key management, encryption strategy & trends, deception-based security, data security, cryptography, Ransomware

NEW PRODUCT CryptoMove utilizes Moving Target Defense (MTD) technology to continuously fragment, replicate, re-encrypt, compress, and mutate your keys and secrets creating a redundant and secure protection paradigm.

www.cryptomove.com

Cynerio ESE 12

Internet of Things, threat intelligence, risk management, risk & vulnerability assessment, patch management, operational technology (OT Security), network security, intrusion prevention/detection, behavioral analytics, artificial intelligence/machine learning

Cynerio's mission is to empower healthcare CISOs and give them full control over the security of their connected medical devices, ensuring data protection, service continuity and patient safety. With Cynerio's solution, security teams can see which medical and IoT assets are connected, understand their associated risks, and protect against harmful cyberattacks.

www.cynerio.co

Cypherpath ★ ESE 08

Critical infrastructure, virtualization, containerization & segmentation, security architecture, security & threat visualization, risk management, risk & vulnerability assessment, orchestration & automation, network security, infrastructure security, cyber warfare & cyber weapons

Cypherpath delivers a powerful Software Defined Infrastructure OS (SDI OS) enabling cyber-resiliency for enterprises by rapidly building, operating, and deploying holistic cyber-environments anywhere with a single click. Continuously prepare your workforce and systems. Evaluate their ability to defend your business and optimize your ability to respond/recover quickly. Are You Cyber Ready?

www.cypherpath.com

Eclysium, Inc. ★ ESE 46

Anti-malware, supply chain, risk & vulnerability assessment, intrusion prevention/detection, infrastructure security, incident response, hackers & threats, government spying, cyber warfare & cyber weapons, critical infrastructure

NEW PRODUCT Eclysium is the industry's first enterprise firmware protection platform, bringing security to the firmware layer where traditional security is ineffective. Easily find and manage firmware vulnerabilities and weaknesses and defend against rootkits and backdoors in laptops, servers, and network gear. Ensure devices remain safe in the hardware supply chain, while deployed, and during travel.

www.eclysium.com

Elevate Security ★ ESE 31

Behavioral analytics, social engineering, security awareness, security analytics, professional development & workforce, metrics, hackers & threats, governance risk & compliance

Elevate, the Security Behavior Platform, leverages decades of experience in Employee Awareness Programs to deliver People Powered Security, increasing employee detection and reporting of attacks targeting them. Elevate Snapshot and Hacker's Mind work together to motivate, measure, and reward the right employee actions while providing visibility and insight to management into employee risk.

www.ElevateSecurity.com

FlexibleIR ★ ESE 09

www.flexibleir.com

Fortiphyd Logic, Inc. ★

ESE 24

Critical infrastructure, operational technology (OT Security), network security, intrusion prevention/detection, insider threats

Fortiphyd Logic secures industrial control system (ICS) networks, protecting their productivity, equipment, and personnel threatened by increasingly advanced ICS cyberattacks. While current competition is only capable of detecting network-based attacks, Fortiphyd's LogicGuard digs deeper, providing lightweight endpoint protection capable of detecting insider attacks with physical access.

www.fortiphyd.com

Habitu8 ★

ESE 45

BYOD, social engineering, security awareness, privacy, phishing, insider threats, governance risk & compliance, behavioral analytics, Ransomware, GDPR

Basically, Habitu8 is on a mission to get rid of boring, mind-numbing training programs and replace them with engaging, animated & Netflix quality live-action video training that changes behaviors for good. All it takes is teaching employees how to replace bad habits with good ones—and we're really good at it.

<https://habitu8.io>

HighCastle Cybersecurity ★

ESE 15

GDPR, risk & vulnerability assessment, penetration testing, network security, intrusion prevention/detection, infrastructure security, governance risk & compliance, endpoint security, data security, cloud security

At HighCastle Cybersecurity, our mission is to provide a complete risk management solution via the delivery of enterprise-class, cybersecurity solutions to clients from the startup to mid-size in any industry. We serve clients in the healthcare, finance, retail, media and defense sectors to continuously deliver on a robust security posture and our company values commitment to world-class service.

www.highcastlecybersecurity.com

Hysolate

ESE 32

Access control, web services security, threat management, security services, security architecture, intrusion prevention/detection, infrastructure security, endpoint security

Hysolate pioneered software-defined endpoints, the most innovative way to secure user devices and boost user productivity. The solution seamlessly splits devices into segregated environments by leveraging virtualization and provides protection below the operating system. Hysolate's team includes IT and veteran cybersecurity experts from of VMware, Microsoft, CyberArk and Unit 8200 (Israel's NSA).

www.hysolate.com

ID R&D Inc. ★

ESE 16

Artificial intelligence/machine learning, security consulting, mobile security, fraud, biometrics, authentication

ID R&D provides frictionless biometrics with anti-spoofing protection. Authentication should be secure and effortless. The less we ask users to do to confirm identity in a secure and accurate way, the better. ID R&D developed a suite of award-winning AI-based voice, behavioral, and facial anti-spoofing biometric capabilities for login and continuous auth in mobile, web, IoT and Conversational UI.

<https://idrnd.net>

Inky Technology Corporation ★

ESE 18

Ransomware, zero day vulnerability, threat intelligence, social engineering, phishing, malware, data security, artificial intelligence/machine learning, anti-spam, anti-malware

INKY leads the industry in mail protection. INKY is a uniquely intelligent solution that uses artificial intelligence, machine learning and computer vision to prevent phishing and other email-based attacks. The company's flagship product, INKY Phish Fence, uses these novel techniques to "see" each email much like a human does, blocking phishing attacks that get through every other system.

www.inky.com

Insignary

ESE 11

DevSecOps, software code vulnerability analysis, security awareness, risk management, risk & vulnerability assessment, infrastructure security, governance risk & compliance, application security, Internet of Things, GDPR

Founded in 2016, venture-backed Insignary is the global leader in binary-level open source software security and compliance. Through its Insignary Clarity and TruthIsInTheBinary.com software and cloud-based solutions, the company enables unmatched open source software binary scanning to uncover and address security and license compliance issues. For more information please visit:

www.insignary.com

K2 Cyber Security, Inc. ★

ESE 02

www.k2io.com

Meta Networks

ESE 48

BYOD, zero trust, software defined networking, security operations, network security, mobile security, firewalls, cloud security, cloud access security brokers (CASB), access control

With Meta Networks, enterprises can rapidly deliver secure remote access to applications in the data center and the cloud. Meta's Software-Defined Perimeter platform ensures zero-trust, identity-based access for employees, customers and partners, along with a great user experience. It's fast and simple to deploy and manage, even in complex environments. Try the next generation alternative to VPN.

www.metanetworks.com

NeuShield ★

ESE 28

Ransomware, zero day vulnerability, threat management, phishing, malware, hackers & threats, endpoint security, data security, business continuity & disaster recovery, anti-malware

NeuShield protects company data from ransomware and other cyberthreats by preventing malware from changing or corrupting the data. When malware runs, it is only allowed to attack a mirror image of the protected data. This technology, called Mirror Shielding, allows instant recovery of data from any Fully Undetectable (FUD) or zero-day threat without requiring updates or signatures.

www.neushield.com

NormShield ★

ESE 35

Cyber insurance, threat intelligence, supply chain, security intelligence, security & threat visualization, risk management, risk & vulnerability assessment, network security, hackers & threats, governance risk & compliance

NEW PRODUCT NormShield enables enterprises to monitor their external cyber-risk posture, and perform non-intrusive cyber-risk assessments of their suppliers, subsidiaries, and third parties. Easy to understand scorecards provide letter-grades by risk category with rich underlying data on how to mitigate each risk in priority order. Differentiation is clear with 60-second cyber-risk assessment of any company.

www.normshield.com

NuID Inc. ★

ESE 42

Authentication, penetration testing, password management, identity management & governance, hackers & threats, fraud, data security, cryptography, blockchain & distributed ledger, biometrics

NuID is a pioneer in trustless authentication and decentralized identity. The NuID platform leverages zero knowledge cryptography and blockchain technology to eliminate the need for businesses to store passwords and other authentication credentials. NuID supports passwords, tokens, and biometrics. Our mission is to end wide-scale credential breaches by returning data ownership to the individual.
www.nuid.io

PacketViper

ESE 102

Deception-based security, risk management, network security, intrusion prevention/detection

PacketViper is a lightweight deception technology that produces heavyweight, practical results including enhanced dynamic defense, relief of security operational costs and burdens, and third-party risk monitoring with policy enforcement. PacketViper uses deception at the network level enabling clients to reap the benefits of less network traffic and automated incident prevention.
www.packetviper.com

PasswordPing ★

ESE 26

SSO, web services security, password management, identity theft, identity management & governance, data loss prevention, cloud security, cloud access security brokers (CASB), authentication, access control

NEW PRODUCT PasswordPing's innovative compromised credential and breach notification services were created to protect corporate networks and consumer websites from unauthorized access and fraud. PasswordPing helps organizations screen user accounts for known, compromised credentials so they can block unauthorized authentication. PasswordPing Ltd. is based in Boulder, Colorado.
www.passwordping.com

PerceptionPoint Ltd. ★

ESE 36

Anti-malware, zero day vulnerability, threat management, threat intelligence, phishing, malware, infrastructure security, exploit of vulnerability, cloud security, application security

Perception Point is a next gen threat detection platform built to enable digital transformation. Our holistic solution replaces legacy technologies (AVs, sandboxes, CDRs, anti-phishing) for unprecedented detection of APTs, phishing, malware, impersonation, BEC attacks and more, at the speed, scale and ease of deployment of the cloud. We secure email, shared drives, messaging and CRM apps.
www.perception-point.io

PIXM, INC. ★

ESE 29

<https://pixm.net>

PolySwarm ★

ESE 17

Anti-malware, threat intelligence, security intelligence, security analytics, malware, hackers & threats, data security, cyber insurance, cryptography, blockchain & distributed ledger

NEW PRODUCT Polyswarm is an open source, threat detection marketplace using smart contracts to revert the existing industry economics responsible for today's market shortcomings. Polyswarm has created a competitive environment—an economy—where a crowdsourced network of security experts and antivirus companies are incentivized to compete to detect threats, and get paid to accurately do so.
www.polyswarm.io

Portshift ★

ESE 41

DevSecOps, zero trust, virtualization, containerization & segmentation, orchestration & automation, network security, infrastructure security, firewalls, cloud security, authentication, application security

Portshift is an identity-based cloud workload protection platform, that secures applications from CI/CD to runtime. Portshift enables organizations to know which applications are running on their cloud environments, to see and enforce how applications communicate and to find information associated with their development and deployment cycles, enabling DevOps teams to easily orchestrate security.
www.portshift.io

Rainbow Password, GEOACL LLC ★

ESE 22

GDPR, security services, secure payments & cryptocurrencies, identity management & governance, hackers & threats, data security, cloud security, authentication, application security, access control

NEW PRODUCT Painless Password, Rainbow Password. No more weak, hackable, long, cryptic credentials. We are solving most painful problems related to passwords, PIN and 2 Factor. Rainbow Password/PIN: 500x strong credentials fight cyberattacks like Brute-Force and Keyloggers. Colorful, stylish, friendly and cost-effective. Rainbow Smart Token: Fights bots, phishing, SIM-swapping attacks. geoACL
www.rainbowpassword.com

RedMarlin, Inc. ★

ESE 43

Artificial intelligence/machine learning, zero day vulnerability, threat management, threat intelligence, security & threat visualization, phishing, malware, identity theft, hackers & threats, deception-based security

RedMarlin detects and mitigates zero day phishing attacks, tech support scams and other online threats with its revolutionary AI-powered real-time detection technology. Via <https://checkphish.ai> (a free URL scanner), threat intelligence, APIs and brand protection products, RedMarlin offers exceptional protection from a wide array of online threats.
www.redmarlin.ai

Scytale ★

ESE 103

DevSecOps, zero trust, infrastructure security, identity management & governance, cloud security, authentication, application security

Founded in 2017 by seasoned engineers from Amazon Web Services, Google, Okta, PagerDuty, and Duo Security, Scytale helps enterprise security engineering teams standardize and accelerate service authentication across cloud, container, and on-premise-based platforms.

SCYTHE ★

ESE 14

Ransomware, threat management, security awareness, risk management, risk & vulnerability assessment, phishing, penetration testing, malware, hackers & threats, data security

The SCYTHE platform provides continuous Red Team automation—immediately operationalize threat intelligence in your production environment. It allows enterprises to validate their security through simulated, fully featured attacks to test controls and countermeasures, identify and remediate gaps, and strengthen overall defense.
<http://scythe.io>

Secret Double Octopus ★

ESE 47

BYOD, zero trust, phishing, identity theft, identity management & governance, biometrics, authentication, SSO

Secret Double Octopus liberates users from the pain of passwords. For the first time, users don't need to manage passwords and can enjoy a consistent login experience throughout their work day. Organizations gain the benefits of high assurance and credential control across domain accounts, VPN, cloud applications and legacy apps.
www.doubleoctopus.com

SecureStack ★

ESE 49

DevSecOps, orchestration & automation, intrusion prevention/detection, infrastructure security, endpoint security, cloud security, cloud access security brokers (CASB), SIEM

NEW PRODUCT What's running in your cloud? The SecureStack platform lets companies build secure infrastructure anywhere with our build once, deploy anywhere orchestration. In addition, you get security data and insights delivered effortlessly. Our intelligent automation manages security controls across your distributed infrastructure using rules and profiles you create. SecureStack: We secure your cloud.
<https://securestack.com>

Senseon ★

ESE 38

www.senseon.io

Styra ★

ESE 01

DevSecOps, virtualization, containerization & segmentation, security operations, risk management, policy management, orchestration & automation, infrastructure security, governance risk & compliance, cloud security, access control

www.styra.com

Sysdig ★

ESE 37

Application security, virtualization, containerization & segmentation, security analytics, security & threat visualization, risk & vulnerability assessment, intrusion prevention/detection, forensics & e-discovery, data loss prevention, cloud security

Sysdig is the cloud-native intelligence company. We have created the only unified platform to deliver container security, monitoring and forensics in a microservices-friendly architecture.

www.sysdig.com

Tala Security, Inc.

ESE 44

DevSecOps, web services security, risk & vulnerability assessment, governance risk & compliance, fraud, data loss prevention, cloud security, artificial intelligence/machine learning, application security, GDPR

Tala has reimagined security and trust for the modern web. Tala's breakthrough technology blocks advanced attacks against enterprise websites and web apps right at the browser. Tala protects against third-party javascript attacks, user PII data theft, cross-site scripting, ad injection and others. Our solution is automated, and installs in minutes without any user downloads or code changes.

www.talasecurity.io

Tehama ★

ESE 05

<http://tehama.io>

Thred Tech ★

ESE 04

Forensics & e-discovery, threat management, threat intelligence, security intelligence, risk management, risk & vulnerability assessment, managed security services, infrastructure security, incident response, hackers & threats

Thred is necessary to gather and analyze surface, deep and dark web and social media data to make smart risk and security management decisions. Thred enables quick and safe visibility to expose threats to VIPs, employees, intellectual property, brands and facilities.

www.thredtech.com

ToucanX ★

ESE 13

Access control, zero trust, secure payments & cryptocurrencies, policy management, network security, malware, hackers & threats, endpoint security, data security, critical infrastructure

ToucanX is a premier real-time malware protection solution. Our immunity core provides autonomous data protection and policy assurance. Endpoints are immune to malware, viruses and other unauthorized exploits. A most innovative means of fighting the cyber-battle, where the market is mostly dominated by antivirus reactive packages, ToucanX offers CEO-level assurance from the offset.
www.toucanx.com

Uptycs, Inc ★

ESE 40

DevSecOps, threat intelligence, security analytics, intrusion prevention/detection, infrastructure security, incident response, governance risk & compliance, endpoint security, cloud security, audit

The Uptycs security platform utilizes osquery, an open source universal endpoint agent, coupled with a scalable security analytics platform to enable a unified view for fleet visibility, intrusion detection, vulnerability management and compliance across Linux, macOS, Windows, containers, and cloud plus hybrid workloads.

www.uptycs.com

WifiWall ★

ESE 03

Internet of Things, network security, mobile security, intrusion prevention/detection, hackers & threats

WifiWall.com provides corporate level WiFi protection for the business traveler on the go, for the SOHO worker and for the exponential growing IoT industry. We deliver easy to use products with no performance impact or content manipulation. Leading WifiWall is cybersecurity veteran Shlomo Touboul, an accomplished entrepreneur and inventor for over 30 years.

www.WifiWall.com

Woleet ★

ESE 34

Audit, supply chain, privacy, legislation, identity management & governance, governance risk & compliance, fraud, data sovereignty, data security, blockchain & distributed ledger

NEW PRODUCT Woleet offers a digital notary platform based on the bitcoin protocol. Woleet is able to deliver proofs of existence and proofs of electronic signature at scale. Woleet links thousands of (signed) data to actual Bitcoin transactions. As a result, proofs can be verified instantly, all around the world with no third party.

www.woleet.io

Xton Technologies LLC ★

ESE 39

DevSecOps, security architecture, password management, infrastructure security, identity management & governance, data security, cloud security, audit, access control, GDPR










NEW PRODUCT Xton Technologies makes it easy and affordable to have strong security for your privileged access. XTAM is built to protect against malicious or accidental access from both within and beyond your firewall. It provides complete, control for your privileged passwords, secrets, certificates and documents to meet audit and compliance requirements. To learn more please visit:

www.xtontech.com

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RSAC Early Stage Expo Briefing Center sessions are 20 minutes long

WEDNESDAY, MARCH 6

9:00 AM		Internal Combustion: The Insider Threat to Industrial Control Systems BC-W1E5E <i>David Formby, Co-Founder, CEO/CTO, Fortiphyd Logic, Inc.</i>
9:30 AM		Automate Software Vulnerability Management with an AppSec System of Record BC-W2E5E <i>Anita D'Amico, CEO, Code Dx, Inc.</i>
10:00 AM		Where Are We Now? Tracking Market Trends in the Security Space BC-W3E5E <i>Shamus Noonan, Account Director, Crunchbase</i>
10:30 AM		Compromised Credentials: Tackling a Perpetual Weak Link BC-W4E5E <i>Joshua Horwitz, COO, PasswordPing; Michael Greene, CEO, PasswordPing</i>
11:00 AM		World's First Endpoint-Based Real-Time Phishing Prevention Using Computer Vision BC-W5E5E <i>Arun K. Buduri, Co-Founder & President, PIXM, INC.</i>
11:30 AM		Malicious Bot Attacks—Why They're Increasing, and How to Stop Them BC-W6E5E <i>Shreyans Mehta, CTO, Co-Founder, Cequence Security</i>
12:30 PM		SDP vs. VPN: Five Reasons to Make the Switch BC-W7E5E <i>Micha Rave, VP of Product, Meta Networks</i>
1:00 PM		A New Assurance Paradigm BC-W8E5E <i>Mark Strutner, Senior Cybersecurity Expert, ToucanX</i>
1:30 PM		Cloud Workload Security Platform with Real-Time, Zero-Day Attack Prevention BC-W9E5E <i>Jayant Shukla, CTO & Co-Founder, K2 Cyber Security, Inc.</i>

THURSDAY, MARCH 7

9:30 AM		IoT WiFi Is the Hacker's Greenfield, It Cannot Wait to WAP3 BC-R1E5E <i>Shlomo Touboul, Founder & CEO, WifiWall</i>
10:00 AM		Privileged Access Management: Making It Affordable and Easy BC-R2E5E <i>Peter Senescu, Founder, Xton Technologies LLC</i>
10:30 AM		DevOps, Cloud Sprawl and Security: A Complicated Relationship BC-R3E5E <i>Paul McCarty, Founder & Engineer, SecureStack</i>
11:00 AM		Medical Workflows Are the Key to Healthcare Cybersecurity BC-R4E5E <i>Leon Lerman, CEO, Cynerio</i>
11:30 AM		ArecaBay Force Field: Continuous API Security Powered by a Network Engine BC-R5E5E <i>Lebin Cheng, CEO, ArecaBay Inc.; Ravi Balupari, Head of Engineering and Security, ArecaBay Inc.</i>
12:30 PM		A Modern Approach to CSIRT Using Osquery BC-R6E5E <i>Milan Shah, Co-Founder & CTO, Uptycs, Inc</i>
1:00 PM		Defense by Reason of Economics BC-R7E5E <i>Ben Schmidt, CSO, PolySwarm</i>
1:30 PM		Proactively Managing OSS Security Risks in Corporate IT Environment BC-R8E5E <i>Tae-Jin (TJ) Kang, Co-Founder & CEO, Insignary</i>

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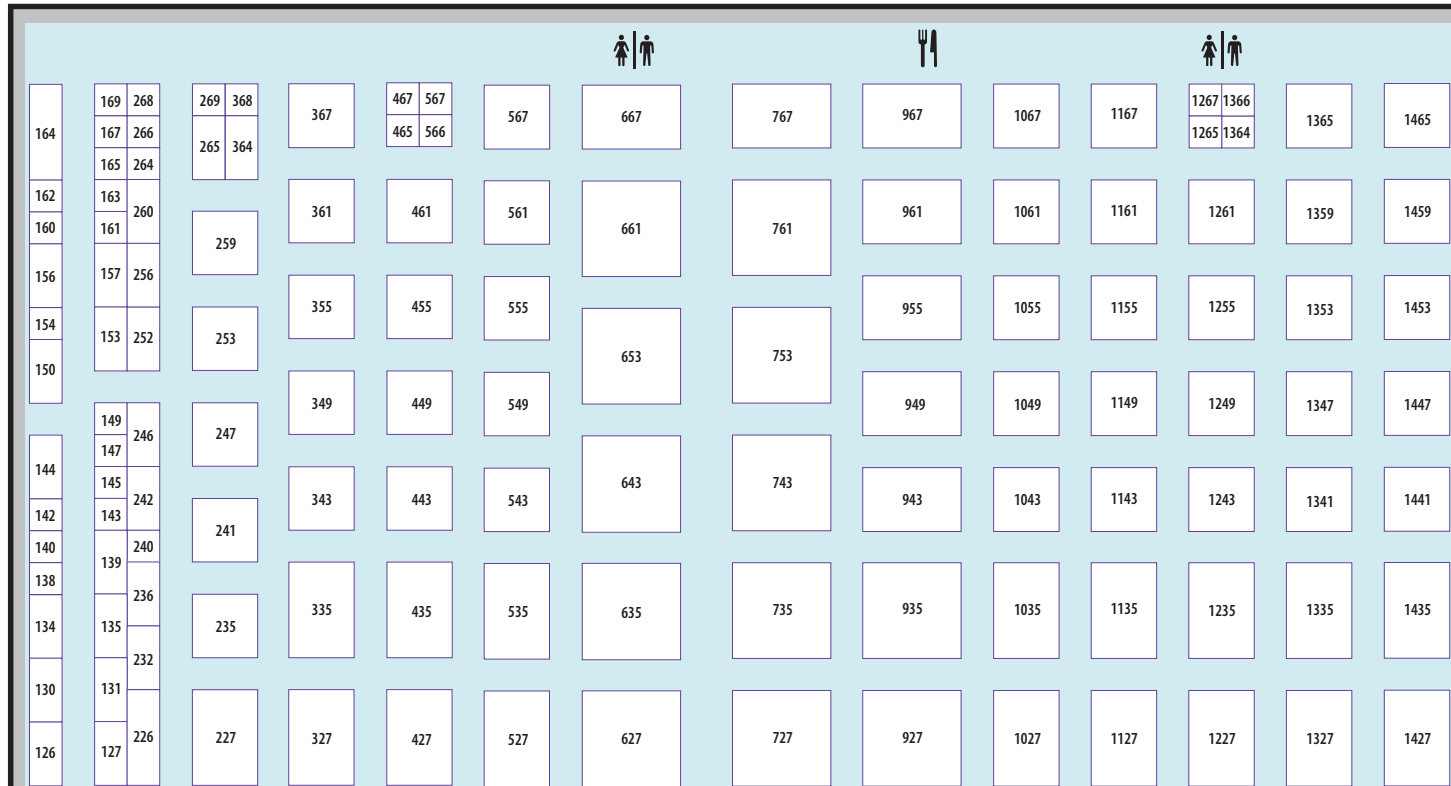
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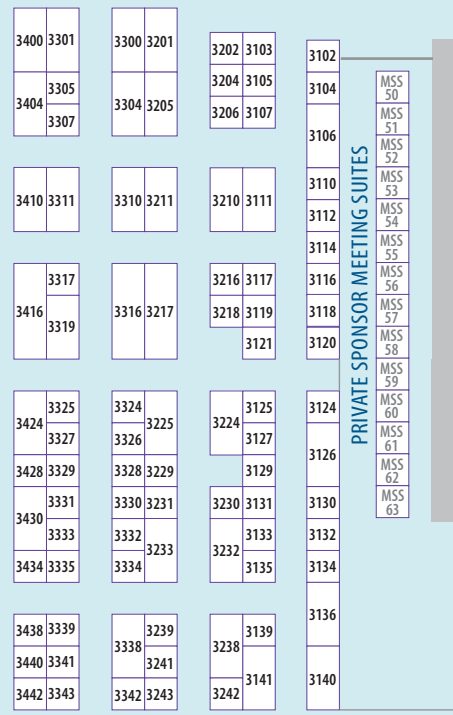
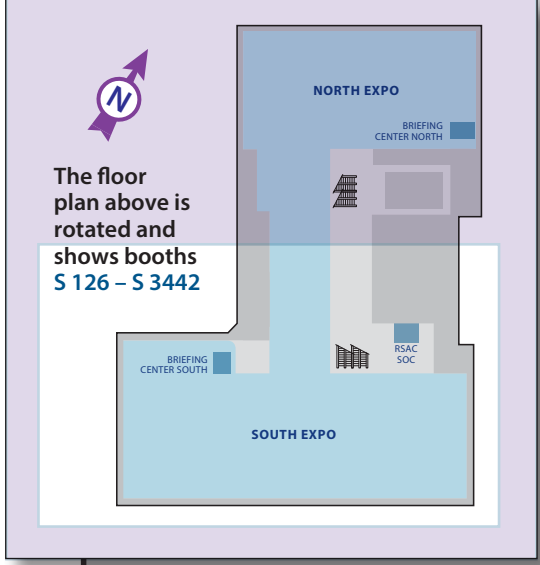
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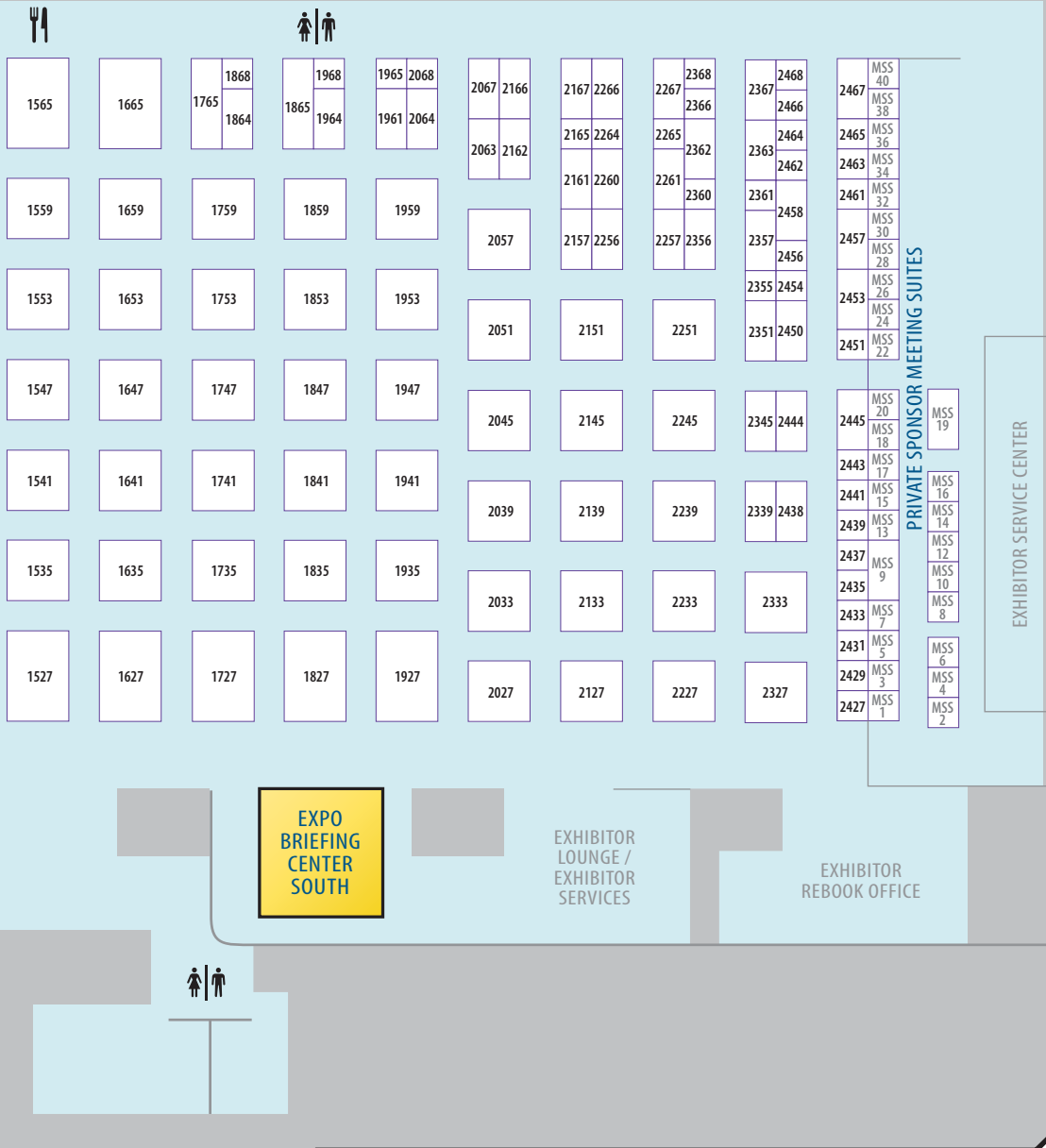
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 Thursday 10:00 AM – 3:00 PM

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Tuesday 10:10 AM – 5:30 PM
 Wednesday 10:30 AM – 4:30 PM
 Thursday 10:30 AM – 1:10 PM

SPECIAL EVENTS

Welcome Reception*

Monday 5:00 PM – 7:00 PM

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Wednesday 4:30 PM – 6:00 PM

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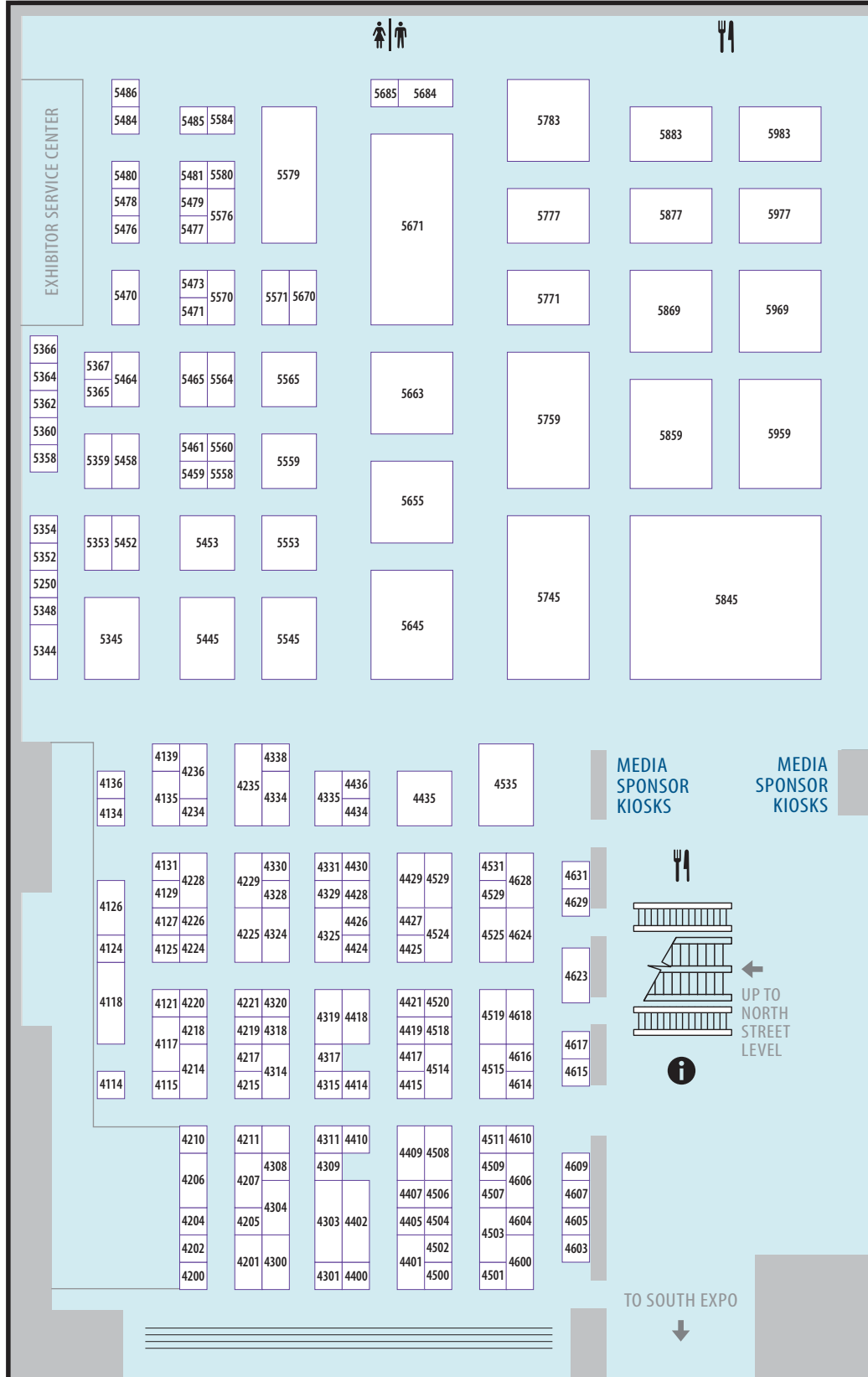
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