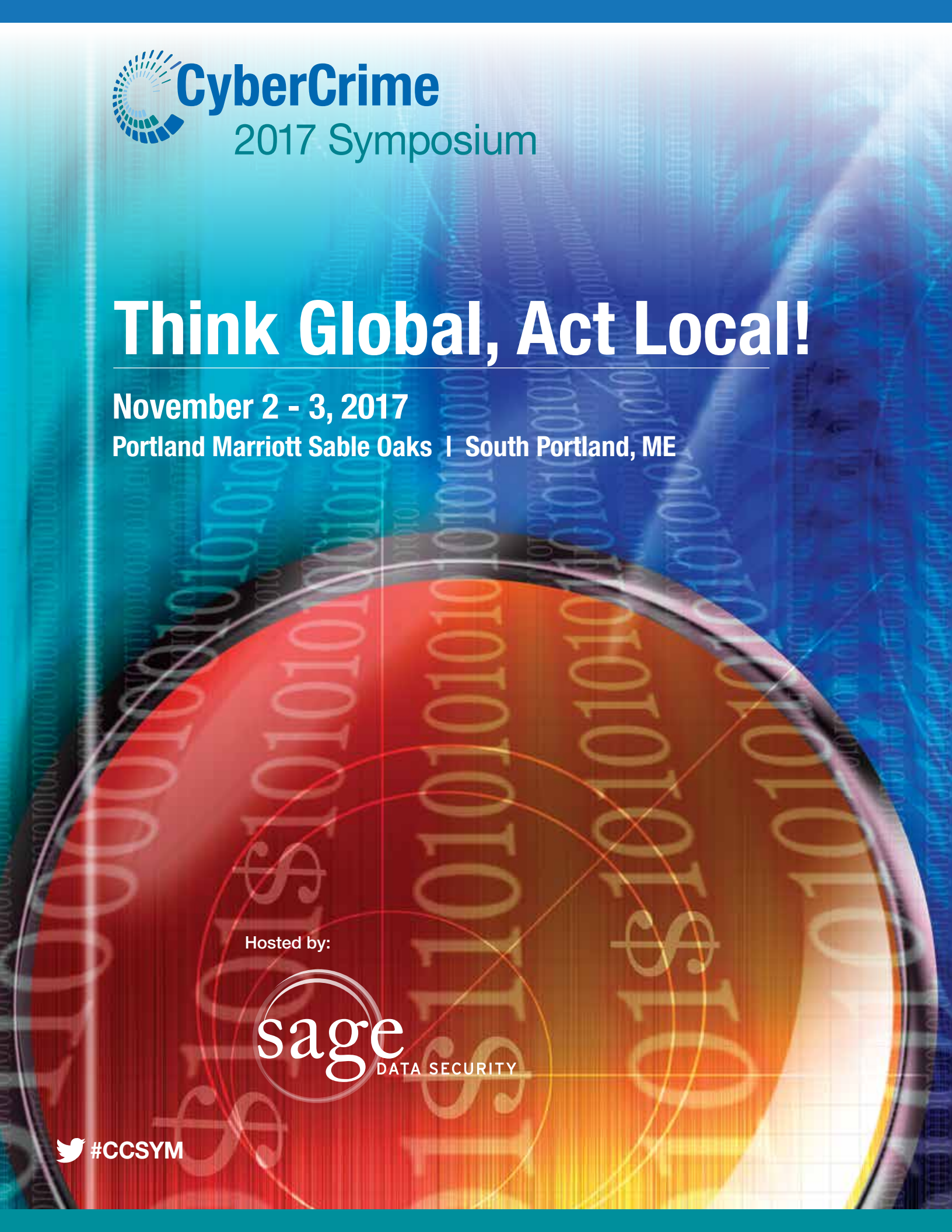
# CyberCrime 2017 Symposium

# Think Global, Act Local!

## November 2 - 3, 2017

**Portland Marriott Sable Oaks | South Portland, ME**



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# CyberCrime Symposium - 2017 Agenda

Program is subject to change.

## DAY ONE: Thursday, November 2, 2017

**Registration Opens:** 11:30 a.m.

**Lunch:** 11:45 a.m. – 12:15 p.m.

**Welcome:** 12:00 p.m. – 12:15 p.m.

### Think Global, Act Local!

**Sari Stern Greene**

Sage Data Security Host Rep

Sari Stern Greene, CRISC, CISM, CISSP-ISSMP is a cybersecurity practitioner, educator, and founder of Sage Data Security. She is the author of *Security Program and Policies: Principles and Practices*, as well as the best-selling CISSP Complete Video Course and the newly released CISSP Exam Prep Video Course. Sari serves on the Bangor Savings Bank Board of Directors, Mass Bankers Cybersecurity Task Force, and the ABA Cybersecurity Faculty.

**Lunch Keynote:** 12:15 p.m. – 1:15 p.m.

### Cybercrime-as-a-Service

**Raj Samani**

Chief Scientist and Fellow, McAfee

The growth in the "as-a-service" nature of cybercrime is fueling the exponential increase in cyber-attacks, and this flexible business model allows cybercriminals to execute attacks at considerably less cost than ever before. In this talk, Raj will provide insight into the cybercrime marketplace, including pricing schemes for the services offered. This snapshot of the cybercrime market will show how its service-based nature supports new entrants who do not require technical expertise, leading to a whole new breed of cybercriminal. As a result, the volume of cyber-attacks is likely to continue to increase.

Raj has assisted multiple law enforcement agencies in cybercrime cases, and is special advisor to the European Cybercrime Centre (EC3) in The Hague. He's been recognized for his contribution to the computer security industry through numerous awards, including the Infosecurity Europe Hall of Fame, Peter Szor Award, Intel Achievement Award, among others. Raj is also the co-author of the book Applied Cyber Security and the Smart Grid, CSA Guide to Cloud Computing, and technical editor for numerous other publications.

**Session I:** 1:30 p.m. – 5:15 p.m.

### Interactive Incident Response Exercise

**Regina Phelps**

Emergency Management Expert, Educator, Author

This super-interactive session will include audio, video, and lots of props. You'll gain the knowledge you need to prepare your organization for a national or regional event. Every attendee will leave with a license to use the exercise at their organization. This turn-key package will include scripts, injects, videos, instructions and more.

Regina is an internationally recognized thought leader in the field of crisis management, exercise design, and pandemic and business continuity planning. Since 1982, she has provided consultation and speaking services to clients in four continents. She is the founder of Emergency Management & Safety Solutions Inc. (EMSS), a consulting firm that is 100% woman owned.

**Cocktails:** 5:15 p.m. – 6:15 p.m.

**Dinner Buffet:** 6:15 p.m. – 7:00 p.m.

**Dinner Keynote:** 7:00 p.m. – 8:00 p.m.

### Capturing Criminals in Cyberspace

**Chris Tarbell**

Director, Berkeley Research Group, LLP

Former FBI Cybersecurity Special Agent

Chris will share adrenaline-pumping stories detailing growing cyber threats and challenges modern businesses face. His hair-raising anecdotes prove that just because you cannot see your adversary, or maybe even know his or her real name, it doesn't mean you can't protect yourself.

Chris is one of the most successful cybersecurity law enforcement officials of all time. Books and movies are being made about his legendary career. Dubbed "the Eliot Ness of online crime" by Newsweek, he is responsible for infiltrating the hacker group Anonymous and taking down the notorious dark web drug trafficking site Silk Road, called "the most sophisticated and extensive criminal marketplace on the Internet." He led the tracking and arrest of two of the most

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infamous figures in cyberspace: Sabu, who was at one point the most influential hacker in the world, and Dread Pirate Roberts, who was later convicted for his involvement with Silk Road.

### Evening Entertainment: 8:30 p.m. – 10:00 p.m.

Help us celebrate Sage's 15th Birthday with Motor Booty Affair - The Ultimate Disco Party Band!

## DAY TWO: Friday, November 3, 2017

### Breakfast Buffet: 7:30 a.m. – 8:00 a.m.

### Breakfast Keynote: 8:00 a.m. – 9:00 a.m.

**Touring the Dark Side of the Internet**

**Neil Wyler**

Threat Hunting & Incident Response Specialist, RSA

In his talk, Neil will cover the basics of Tor, Darknets, Darknet Market places, and Bitcoin. He'll share concerns you will want to be aware of and his recommendations for making their use more secure.

Neil R. Wyler (a.k.a. Grifter) is currently with RSA Security as a Threat Hunting and Incident Response Specialist. He has spent over 16 years as a security professional, focusing on vulnerability assessment, penetration testing, physical security, and incident response. He has been a staff member of the Black Hat Security Briefings for over 14 years and is a member of the Senior Staff at DEF CON where he is the Department Lead for Contests/Events/Villages/Parties and the Demo Labs. Neil has spoken at numerous security conferences worldwide, including Black Hat, DEF CON, and the RSA Conference. Neil is also a member of the DEF CON CFP Review Board and Black Hat Training Review Board. He has been the subject of various online, print, film, and television interviews, and has authored several books on information security.

### Session I: 9:15 a.m. – 10:15 a.m.

**Becoming Bi-lingual: Community Cybersecurity as a Business Impact**

**Summer Craze Fowler**

Technical Director, CERT, Fellow in Advanced Cyber Studies

It is often the case that the most difficult aspect of cybersecurity is in communicating progress and impact to the business / organization. The challenge is exacerbated when the communication comes during a time of crisis or cybersecurity incident response. This session examines the results of a study on communication between security teams and senior management (including C-suite and Board of Directors). Highlights include using effective measures and metrics, how to convey cybersecurity posture, and communicating key messages.

Summer is the Technical Director of Cybersecurity Risk & Resilience in the CERT Program at Carnegie Mellon University's (CMU) Software Engineering Institute (SEI), where she is responsible for a research and development portfolio focused on improving the security and resilience of the Nation's critical infrastructure and assets.

Summer has 17 years of experience in software engineering, cybersecurity, and technical management. She currently teaches two graduate level courses on Information Technology Project Management and Cybersecurity Policy at the CMU Heinz School. She is also the Technical Sponsor of the CISO Executive Certificate Program, the lead for Cyburgh, PA – an initiative to bring recognition to Pittsburgh as a leader in cybersecurity, and a Cybersecurity Fellow for the Center for Strategic and International Studies as part of a cohort focused on identifying and solving policy issues at the national level.

### Session II: 10:30 a.m. – 11:30 a.m.

**Red Team | Blue Team Exercises**

**Quincy "QJax" Jackson**

Red Team Lead

The time is now to step up from boardroom round-table simulations and into actively simulating well-known attacks against your network before they happen. QJax will demonstrate attack scenarios to effectively measure your cyber defense position. He'll show the Red Team full engagement process, as well as secrets to Security Operations Center (SOC) readiness and defense testing techniques. You'll learn his approach to effectively producing metrics and measurements for active hacker drills, and discover new Red Team tools that are safe to use for your active simulations.

Quincy "QJax" Jackson, CISSP, C|EH, GCIA, GWAPT, GREM, works as a Red Team Lead with 20+ years of IT experience. His primary responsibilities include programs to evaluate and measure the effectiveness of the SOC. His SOC Readiness and Defense Capability Testing Programs were created to reduce uncertainty and give assurance regarding detection, analysis and cyber defense capabilities. Quincy also specializes in web application security, penetration testing, mobile device hacking, and cyber threat defense techniques.

### Session III: 11:30 a.m. – 12:30 p.m.

**2017 National Cybersecurity Policy Update**

**Robert Mayer**

SVP of Cybersecurity, US Telecom Association

Robert will provide an overview of major cybersecurity policy initiatives that are being undertaken by the current Administration. We will review the roles, responsibilities, and projects set forth in a new Cybersecurity Executive Order and initiatives that are underway at the Department of Homeland Security, the Department of Commerce,

and at the Department of Justice and with the FBI. We will discuss the status of current initiatives around information sharing, botnet takedowns, ransomware exploits and incident response coordination involving law enforcement entities at the national, regional and local levels.

Robert is Senior Vice President of Cybersecurity with the USTelecom Association with responsibility for leading cyber and national security policy, state relations and coordinating various regulatory initiatives for the wireline broadband industry. He is the current chairman of the Communications Sector Coordinating Council (CSCC) which represents the broadcast, cable, satellite, wireless and wireline industries in connection with the DHS public-private partnership. Mayer currently co-leads the Multi-Association Framework Development Initiative that represents over 30 major U.S trade associations on cybersecurity risk management policy issues and regularly engages with top government leaders on cyber policy. In June 2015, Mayer was appointed to the FCC Communications Security Reliability and Interoperability Council (CSRIC V) after having led a 100 person team of cybersecurity professionals that produced a landmark report to adapt the NIST Cybersecurity Framework to five industry segments within the sector.

Prior to USTelecom, Mayer served as Telecom Director of the New York Public Service Commission where he led several major initiatives and created a new agency department that focused on network reliability and public safety matters. Prior to this appointment, Mayer was the lead regulatory practitioner in the Telecommunications and Cable Group at KPMG Consulting and was a consultant with Deloitte Consulting. Before that Mayer worked as a financial analyst in the international telecommunications divisions of Chase Manhattan Bank and JP Morgan. Mayer served in the US Air Force supervising intelligence and communications operations at NATO Headquarters.

## Lunch Buffet: 12:30 p.m. – 1:00 p.m.

## Lunch Keynote: 1:00 p.m. – 2:00 p.m.

### Critical Hygiene for Preventing Major Breaches

**Sean Sweeney**

Chief Security Advisor, Enterprise Cybersecurity Group, Microsoft

Microsoft's Incident Response teams investigate major breaches week after week and almost always see the exact same pattern of attacks and customer vulnerabilities. In his presentation, Sean will share step by step recommendations to defend against these attacks, including information on cybersecurity solutions that Microsoft has open-sourced to protect their customers.

Sean is both an experienced Chief Information Security Officer and Chief Information Officer, adept at managing enterprise cyber risk using people, process, and technology. Sean works with customers on cybersecurity strategy, how Microsoft sees the threat landscape, how we are investing in the future of security at Microsoft, and how organizations can take advantage of Microsoft's security solutions to help improve their security posture and reduce costs. A frequent author and speaker on cybersecurity, he also served on the EDUCAUSE IT GRC Advisory Board, the Higher Education Information Security Council, and the governing body of the Pittsburgh CXO Executive Summit. Originally from Northern Virginia, and an avid boater; Sean now resides in Pittsburgh, PA.

## Session IV: 2:15 p.m. – 3:15 p.m.

### Digital Disruption and Cybersecurity are on a Crash Course!

**Don Anderson, Jr.**

SVP and CIO, Federal Reserve Bank of Boston

The last 5 years have been all about cyber security and what organizations and individuals must do to protect themselves. But now, it's all about digitizing, leveraging big data, crowd sourcing with the unknown, and putting a sensor (IOT) on everything. Did we forget about cybersecurity?

Don Anderson is the Senior Vice President and Chief Information Officer (CIO) at the Federal Reserve Bank of Boston. In this capacity, he is responsible for the Federal Reserve System's Internet Cyber and Network Security services and Financial Management Technology services, the Bank's IT functions, Real Estate Services, and Law Enforcement units. Don is currently a member of the Bank's Executive Committee and represents the Bank on the System's CIO committee. In 2017, Don was recognized by the Boston CIO Leadership Association and Boston Business Journal as CIO of the Year.