UC Office of the President presents

The 4th Biannual

CYBER SECURITY SUMMIT

**October 18, 2017
UC San Diego**

**UNIVERSITY
OF
CALIFORNIA**

AGENDA

8:00-9:00 AM

Breakfast & Check-in

9:00-9:15 AM

Welcome
TOM ANDRIOLA

9:15-10:00 AM

Keynote: Connecting to Your Excellence
SHOLA RICHARDS, DIRECTOR OF TRAINING & ORGANIZATIONAL DEVELOPMENT, UCLA

In this highly-engaging, memorable and actionable keynote, Shola will introduce three transformative questions that will positively transform how we work, live and lead—starting today. Additionally, Shola will present a strategy to help the participants to deal more effectively with the most difficult people in their lives (professionally or otherwise), while also providing an additional tool to ensure that the participants stay committed to putting these strategies into action long after the keynote ends.

10:00-10:45 AM

Managing Third-Party 'Asymmetrical' Cybersecurity Risks
JONATHAN DAMBROT, CEO & CO-FOUNDER OF PREVALENT, INC.

Cloud delivered infrastructure, software, IOT, and digital efforts that are necessary for organizations to thrive strategically are changing the investment/risk ratio, making these risks exponential and 'asymmetric'. This presentation will focus on a review of managing cybersecurity in light of these new 'asymmetric' external security challenges and offers a better approach for managing third-parties and digital risks for the enterprise.

10:45-11:00 AM

Break

11:00-11:45 AM

Modern Automotive Vulnerabilities: Causes, Disclosures and Outcomes
STEFAN SAVAGE, PROFESSOR, UCSD

A car purchased today has virtually all aspects of its physical behavior mediated through dozens of microprocessors and connected to a range of external digital channels. As a result, software vulnerabilities in automotive firmware potentially allow an adversary to obtain arbitrary control over the vehicle. Professor Savage will highlight how our understanding of automotive security vulnerabilities has changed over time, how unique challenges in the automotive sector give rise to these problems, and how independent security research has played key roles in driving industry and government response.

11:45-1:15

Lunch and Platinum Sponsor Presentation
FireEye will share cyber trends and tips for improving resiliency.

1:15-2:00 PM

Engagement Activity: Conflict, Crisis, and Hans Christian Andersen
JESSICA HILT, TECHNICAL OUTREACH STRATEGIST, UCSD

What does phishing scams have to do with fairy tales? In this activity, we're going to tackle storytelling from the perspective of security, empathy, and end users. Learn why data is important but how you deliver that data may hold the key to your happily ever after.

2:00-2:45 PM

Detecting Credential Spear-phishing Attacks in Enterprise Settings
AASHISH SHARMA, CYBER SECURITY ENGINEER, LBNL

Aashish Sharma, one of the authors of the 2017 Distinguished Paper Award, will present an overview of a new approach for detecting credential spear-phishing attacks in enterprise settings. Aashish will also provide insights into the new heuristics developed to help identify credential spear-phishes and showcase the process of developing this detection, the intricacies of implementation, challenges and successes of identifying phishing emails, and highlighting types of alerts and capabilities of this new phishing detector.

2:45-3:00 PM

Break

3:00-3:45 PM

Deploying Cloud Security Against Evolving Techniques and Tactics
JEFF STOUT, ENTERPRISE SECURITY ARCHITECT, AKAMAI

In today's hyper connected world there are more vulnerabilities on more devices than ever before. The attackers' capability to launch sophisticated cyber-attacks as well as overwhelming DDoS attacks has been commoditized as commercial organizations make automated tools more readily available. This presentation will explore some of the latest attack techniques and tactics and how attackers are bypassing traditional security controls. As well as the next generation of defensive techniques which are successfully securing critical data and production environments.

3:45-4:00 PM

Wrap-up
TOM ANDRIOLA

SPEAKERS

Shola Richards

DIRECTOR OF TRAINING & ORGANIZATIONAL DEVELOPMENT, UCLA

Shola is a dynamic keynote speaker, best-selling author of Making Work Work (#1 New Release in the Workplace Culture category on Amazon.com), a workplace positivity expert, an award-winning Director of Training & Organizational Development for UCLA Health, and a positivity blogger with a passionate worldwide following. His articles have been read by readers in over 160 countries, and has been featured in the Huffington Post, Forbes, Black Enterprise, Complete Wellbeing India, Business Insider Australia, and in numerous publications all over the world who recognize him as an authority on workplace happiness and engagement.

As a speaker, Shola has shared his transformative message with top universities, Silicon Valley, leading healthcare organizations, the motion picture industry, and in his greatest honor to date, as a keynote speaker for the Department of Homeland Security under the Obama administration—three days before the 15th anniversary of 9/11 (September 2016).

Last, but certainly not least, Shola is a father, husband, identical twin, and a self-professed "kindness extremist" who will not rest until bullying and incivility is extinct from the American workplace.

Jonathan Dambrot

CEO & CO-FOUNDER OF PREVALENT, INC.

Jonathan Dambrot is CEO and co-founder of Prevalent and an industry visionary in third-party risk management. He is a regular keynote speaker on the need for third-party risk management at leading industry events including RSA, Shared Assessments Summit, ISACA, ISSA, Infragard, NYSE and others. Jonathan also helped develop the Risk Assessment Body of Knowledge (RABOK) as part of the Shared Assessments efforts to develop the first-of-its-kind certification for third-party risk professionals (CTPRP). He is the former chair of both the Shared Assessments Steering Committee and Shared Assessments SIG Committee, and currently sits on the Penn State Outreach Advisory Board.

Jonathan was recently honored by Penn State for his work with the World Campus in its first-ever Outstanding Alumnus Award. He was also honored by Shared Assessments with a Special Achievement Award for his work on the Certified Third Party Risk Professional certification.

Stefan Savage

PROFESSOR, UCSD

Stefan Savage is a professor of Computer Science and Engineering at the University of California, San Diego. He received his Ph.D. in Computer Science and Engineering from the University of Washington and a B.S. in Applied History from Carnegie Mellon University. Savage's research interests lie at the intersection of computer security, distributed systems and networking, with a current focus on cyber-physical security and large-scale security measurement/analytics.

He currently serves as co-director of UCSD's Center for Network Systems (CNS) and as co-director for the Center for Evidence based Security Research (CESR), a joint effort between UCSD and the International Computer Science Institute. Savage is a Sloan Fellow, an ACM Fellow, a recipient of the ACM SIGOPS Weiser Award and the ACM Prize in Computing. He also holds the Irwin and Joan Jacobs Chair in Information and Computer Science, but is a fairly down-to-earth guy and only writes about himself in the third person when asked.

SPEAKERS

Jessica Hilt

TECHNICAL OUTREACH
STRATEGIST, UCSD

Jessica Hilt is a geek and a writer. She is the technical outreach strategist for the University of California, San Diego. Prior to UCSD, she worked in data and politics for CompleteCampaigns.com and Aristotle, Inc. For the nonprofit So Say We All, she teaches and coaches storytelling for the stage. Her work has appeared in Bourbon Penn magazine, on stage at The Old Globe, and in various bars around town—with or without provocation.

Aashish Sharma

CYBER SECURITY ENGINEER, LBNL

Aashish Sharma is a member of Cyber Security Team at the Lawrence Berkeley National Lab, Berkeley, CA since Nov 2010. Previously, he worked in the security team at the NCSA at University of Illinois, Urbana-Champaign, IL. Aashish's work/research interests include intrusion-detection and incident-response. At present, he is involved with running Bro-IDS at the Berkeley Lab and works very closely with the Bro project. Aashish has a bachelor's degree in Computer Engineering from Davi Ahilya University, India and Masters in Computer Science from Illinois State.

Jeff Stout

ENTERPRISE SECURITY
ARCHITECT, AKAMAI

Jeff Stout is an enterprise security architect with 20 years of information security experience for private- and public-sector entities, including CONUS and OCONUS engagements for the U.S. military. He concentrates on cloud migration, and the security ramifications for next generation protection as customers evolve and shift to new infrastructure environments.

Focused on educating customers on the entire threat landscape, rapid response and actionable information about emerging threats, Jeff empowers customers to maintain their network data security and integrity.

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