

Program Agenda

2019 NSF Cybersecurity Summit for Large Facilities and Cyberinfrastructure

October 15 - October 17 The Catamaran San Diego, California

<https://trustedci.org/2019-nsf-cybersecurity-summit>

Updated October 10, 2019

PC: Steve Bernet, Tony Baylis, Mike Corn, David Halstead, Susan Ramsey, Victoria Stodden, Kathleen Weathers

Organizers: Leslee Bohland, Diana Cimmer, Austin Cushenberry, Jeannette Dopheide, Mark Krenz, Jim Marsteller, Von Welch

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Training Day

Tuesday, October 15, 2019

[Training Descriptions:](#)

<https://trustedci.org/training-descriptions-2019>

- 8:00am Sign-In and Continental Breakfast (KON-TIKI Room)
- 9:00am Morning Training Sessions Begin
- Web Security and Automated Assessment Tools - Theory and Practice (Boardroom East)
 - Security Log Analysis (Cockatoo)
 - Setting Up a Compliance Program for CUI; Regulated Data Security and Privacy: DFARS/CUI, HIPAA, FISMA, and GDPR” (Toucan)
 - Catch the Phish: Securing your Organization against Phishing Attacks (Macaw)
 - WISE Workshop (Boardroom West)
- 10:30am **Break** Coffee,tea and water will be available. (KON-TIKI Room)
- 11:00am Training Sessions Resume
- 1:00pm **Lunch provided** (Beach South)
- 2:00pm Afternoon Training Sessions Begin
- Jupyter Security (Cockatoo)
 - ICS Security Landscape - Getting Better, Getting Worse (Boardroom East)
 - “A Cybersecurity Program Framework for Science Projects and Facilities” (Macaw)
 - Social Engineering Workshop (Boardroom West)

- Operational Fundamentals: Next Level Incident Response, Security Exercises, and Cybersecurity Operational Metrics for Science Projects (Toucan)

4:00pm **Break** Snacks will be available with beverages (KON-TIKI Room)

4:30pm Training Sessions Resume

6:00pm Sessions End

Evening: **Dinner on your own**

Plenary Session

Wednesday, October 16, 2019

(Aviary Ballroom)

7:00am Sign-In and Continental Breakfast (KON-TIKI Room)

8:00am Welcome (Jim Marsteller)(Aviary Ballroom)

8:15am Keynote: Stefan Savage - **“Advancing cybersecurity as an evidence-based discipline”**

9:15am Cyberinfrastructure Center of Excellence PILOT - Establishing Effective Practices for Large Facilities (Ewa Deelman)

9:45am 15 Years of Attacks Against our Community: The Phalanx and Windigo saga (Romain Wartel)

10:35am **Break** Coffee,tea and water will be available. **(Meet a Student)** (KON-TIKI Room)

11:00am Experiences Applying Security Standards to Cloud Hosted Services (Brigitte Raumann, Rachana Ananthakrishnan & Thomas Barton)

11:30am SciTokens: Capability-Based Secure Access to Remote Scientific Data (Jim Basney, Derek Weitzel & Alex Withers)

12:00pm HPC Security Panel (Moderator: Nick Multari: Panelists: Jim Marsteller, Scott Sakai & Chris Clausen)

12:30pm Group Photo, Lunch (**Lunch provided**) (*Beach North*) and Table Talks:

- Cybersecurity Research Transition To Practice (TTP): Needs and Actions (Florence Hudson)
- Better Trusted CI through RAP's (Dr. Leigh Armistead)
- HPC Security Panel Discussion (Nick Multari)

- 1:30pm Fellows Panel (Moderator: Dana Brunson Panelists: Shafaq Chaudhry, Matias Carrasco Kind, S. Jay Yang, Aunshul Rege, Gabriella Perez, Chrysafis Vogiatzis)
- 2:00pm AI for Cybersecurity: Friend or Foe? The Challenges posed by Adversarial Machine Learning(Rajvardhan Oak)
- 2:30pm NEON and CI CoE Pilot vs. Identity Management, a story (Jeremy Sampson, Ryan Kiser & Terry Fleury)
- 3:00pm Lightning Talks
- Cybersecurity between the Continents (What we do in Europe and why you should care.) (Sigita Jurkynaite)
 - Augmenting Nessus with Splunk for Better Vulnerability Management (Elliot Pfarr)
 - Responses to Vulnerability Notification by Security Companies (Andrew Ferbert)
 - No Phishing Allowed! - U2F, FIDO and WebAuthn (Scott Saikai)
 - Blockchain Technology for Decentralized Crowdsourced Data Analytics: Challenges and Opportunities (Nitin Sukhija and Elizabeth Bautista)
 - Extracting and Synthesizing Cyberattack Behavior Models for Predictive Intelligence (Shanchieh Jay Yang)
 - Into the Dragon's Den Preparing and Sending Researchers to China (Zachary Hunsaker)
- 4:00pm **Break** Snacks will be available with beverages. (KON-TIKI Room)
- 4:30pm Research SOC: Cybersecurity Services for NSF Major Facilities - Update (Von Welch and Jim Marsteller)
- 5:00pm Risk Assessment Panel (Jim Basney, Terry Fleury and Charles Nguyen)
- 5:30pm Open Discussion / Summary of the Day's Findings (Jim Marsteller)
- 6:00pm Adjourn
- 6:30pm Social @ PB Alehouse (721 Grand Ave, San Diego,CA)

Plenary Session
(continued)

Thursday, October 17, 2019

(Aviary Ballroom)

- 7:00am Sign-In and Continental Breakfast (KON-TIKI Room)
- 8:00am Welcome Back (Jim Marsteller)(Aviary Ballroom)
- 8:00am Cybersecurity Challenges for Edge Platforms (Chris Weaver)
- 8:30am Hacking the Human: Exploiting the Weakest Link in Cyber Attacks (Aunshul Rege)
- 9:00am STINGAR-VIS: Threat Intelligence, vulnerability management and the potential for data analysis (Richard Biever and Ken Goodwin)
- 9:30am Grokking HIPAA Panel (Moderator: Patricia Kovatch: Panelists: Alex Withers, Anurag Shankar and Brian Hom)
- 10:30am **Break** Coffee,tea and water will be available. (KON-TIKI Room)
- 11:00am Cybersecurity Research Transition to Practice (TTP) (Florence Hudson)
- 11:30am Trusted CI State of the Union (Von Welch)
- 12:00pm Open Discussion / Summary of Summit Findings (Jim Marsteller, Von Welch)
- 12:30pm Adjourn