2017 Technology Exchange - CINC UP: Cybersecurity Research Acceleration Workshop and Showcase

2017 Technology Exchange CINC UP: Cybersecurity Research Acceleration Workshop and Showcase – Wednesday, October 18, 2017 – 12:30pm – 5:30pm PDT

https://meetings.internet2.edu/2017-technology-exchange/detail/10004858/

Whether you pre-register or drop in, please join us for this cybersecurity research acceleration workshop and showcase, co-sponsored by CENIC and Internet2, to participate in an interactive discussion on how working together between researchers and “practitioners” we can accelerate Transition To Practice (TTP) of cybersecurity research into operational environments. NSF and DHS-funded researchers will present their research relevant to network security, the Internet of Things, cybersecurity literacy, connected healthcare, security and privacy. Practitioners who attend this workshop will be able to provide valuable feedback to the researchers to accelerate transition to practice, and pursue potential pilot opportunities. “Practitioners” include IT, networking, security, research and industry professionals. Workshop participants will discuss cybersecurity needs today and into the future. This meeting is supported by the NSF Cybersecurity Transition To Practice Acceleration EAGER Grant #1650445.

Agenda

12:30-12:45PM: Welcome & Kickoff - John Dundas (CENIC - The Corporation for Education Network Initiatives in California), Florence Hudson (Internet2)

Presentation Slides

12:45-1:45PM: CIO & Industry Perspective - Bruce Maas (University of Wisconsin/Internet2) to moderate: Larry Conrad (University of California, Berkeley), Meredith Lee (University of California, Berkeley), Michael Shepherd (Cisco), Ruth Marinshaw (Stanford University), Bruce Taggart (Lehigh University)

1:45-2:00PM: NSF Program Officer Update - Anita Nikolich

2:00-2:45PM: Cybersecurity Research Panel: Network Security

Alberto Dainotti: Detecting and Characterizing Internet Traffic Interception Based on BGP Hijacking

Project Quad Chart

Presentation Slides

Dijiang Huang: SRN: On Establishing Secure and Resilient Networking Services

Project Quad Chart

Presentation Slides

Johanna Amann: Effective and Economical Protection for High-Performance Research and Education Networks

Project Quad Chart

Presentation Slides

Clifford Neuman: Distributed Virtual Isolation Environments (Privately funded)

Project Quad Chart

Presentation Slides

2:45-3:30PM: Cybersecurity Research Panel: Network Security

Christos Papadopoulos: NETBRANE: A Software Defined DDoS Protection Platform (DHS funded)

Project Quad Chart

Presentation Slides

Jun Li: DrawBridge 2.0—Bringing Software-Defined DDoS Defense To Practice (DHS funded)

Project Quad Chart

Presentation Slides

Jelena Mirkovic: SENSS - Security Service for the Internet (DHS funded)

Project Quad Chart

Presentation Slides

3:30-3:50PM: Break

3:50-4:05PM: Cybersecurity Research Panel: Internet of Things

Blaine Reeder: HomeSHARE - Home-based Smart Health Applications across Research Environments

Project Quad Chart

Presentation Slides

4:05-4:35PM: Cybersecurity Research Panel: Identity & Access Management

Kent Seamons: TrustBase: Certificate-Based Authentication

Project Quad Chart

Presentation Slides

Stanislaw Jarecki: Improving the Security and Usability of Two-Factor Authentication for Cyberinfrastructure

Project Quad Chart

Presentation Slides

4:35-5:05PM: Cybersecurity Research Panel: Multidisciplinary Cybersecurity

Shamik Sengupta: Capacity building in Cybersecurity-literacy: An inter-disciplinary approach

Project Quad Chart

Presentation Slides

Shamik Sengupta: Establishing market based mechanisms for CYBer security information Exchange (CYBEX)

Project Quad Chart

Presentation Slides

5:05-5:30PM: Closing & Wrap Up

Researchers confirmed for this workshop include:

Arizona State University

Dijiang Huang: SRN: On Establishing Secure and Resilient Networking Services

Brigham Young University

Kent Seamons: TrustBase: Certificate-Based Authentication

Colorado State University

Christos Papadopoulos: NETBRANE: A Software Defined DDoS Protection Platform (DHS funded)

University of California, Berkeley

Johanna Aman: Effective and Economical Protection for High-Performance Research and Education Networks

University of California, Irvine

Stanislaw Jarecki: Improving the Security and Usability of Two-Factor Authentication for Cyberinfrastructure

University of California, San Diego

Alberto Dainotti: Detecting and Characterizing Internet Traffic Interception Based on BGP Hijacking

University of Colorado, Denver

Blaine Reeder: HomeSHARE - Home-based Smart Health Applications across Research Environments

University of Nevada, Reno

Shamik Sengupta: Capacity building in Cybersecurity-literacy: An inter-disciplinary approach and Establishing market based mechanisms for CYBer security information Exchange (CYBEX)

University of Oregon

Jun Li: DrawBridge 2.0—Bringing Software-Defined DDoS Defense To Practice (DHS funded)

University of Southern California

Jelena Mirkovic: SENSS - Security Service for the Internet (DHS funded)

Clifford Neuman: Distributed Virtually Isolated Domains (privately funded)