

Cybersecurity Research Acceleration Workshop and Showcase, Indianapolis, IN

Welcome to the Cybersecurity Research Acceleration Workshop and Showcase, organized by the NSF Cybersecurity Center of Excellence and Internet2, hosted by the Indiana University Center for Applied Cybersecurity Research, taking place on Wednesday, October 11, 2017, in Indianapolis, IN. The workshop is funded by NSF EAGER #1650445 Cybersecurity Transition To Practice (TTP) Acceleration - https://www.nsf.gov/awardsearch/showAward?AWD_ID=1650445. The goal is to leverage Internet2 as a “matchmaker” between cybersecurity researchers, and practitioners in the Research & Education community.

Surveys for the workshop are still open! Please take a moment to share your feedback with us!

- Overall workshop satisfaction: <http://bit.ly/ttpindyws>
- Researcher feedback: <http://bit.ly/ttpindyresearch>

Pictures from the event are now [available](#)

Workshop [attendees](#) included university IT leadership and practitioners, cybersecurity researchers, and members of Industry.

Agenda

8:00-9:00AM: Breakfast, Registration, Networking

9:00 - 9:15AM: Kickoff - Von Welch (Indiana University), Mark Bruhn (Indiana University), Florence Hudson (Internet2)

[Presentation Slides](#)

9:15-10:15AM: CIO & Industry Perspective - Bruce Maas (University of Wisconsin/Internet2) to moderate: Cynthia Herrera Lindstrom (University of Illinois – Chicago), Ed Aractingi (Marshall University), Julie Johnson (Armored Things), Mark Bruhn (Indiana University), Mark Henderson (University of Illinois at Urbana-Champaign)

[Presentation Slides](#)

10:15-10:30AM: Break - Networking & Poster Sessions

10:30-11:30AM: Cybersecurity Research Panel: Internet of Things

Bimal Viswanath: [Defending against Compromise and Manipulation of Mobile Communities](#)

[Presentation Slides](#)

Sajal Das: [Securing Smart Grid by Understanding Communications Infrastructure Dependencies](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Shantanu Chakrabarty: [Zero-Power Dynamic Signature for Trust Verification of Passive Sensors and Tags](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Apu Kapadia: [Pragmatic Privacy Controls in an Era of Sensor-Enabled Computing](#)

[Project Quad Chart](#)

[Presentation Slides](#)

11:30-12:30PM: Cybersecurity Research Panel: Data Analytics, Security & Privacy

Mathias Payer: [Guarded Control-Flow and Data Privacy for Sensitive Data](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Sameer Patil: [Ideation Techniques to Facilitate System Design Compliant with Privacy Laws and Regulations](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Raquel Hill: [Leveling the Digital Playing Field for the Job Seeker](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Philip Wilsey: [Scalable Big Data Clustering by Random Projection Hashing](#)

[Project Quad Chart](#)

[Presentation Slides](#)

12:30-1:15PM: Lunch - Networking & Poster Sessions

1:15-1:30PM: Transitioning to Practice - Leveraging NSF TTP, Alec Yasinsac, University of South Alabama

[Presentation Slides](#)

1:30-2:30PM: Cybersecurity Research Panel: TTP Successes

Adam Slagell: [Semantic Security Monitoring for Industrial Control Systems](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Daniel Fabbri: [Analysis and Tools for Auditing Insider Accesses](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Bruce Wang: [High-Fidelity, Scalable, Open-Access Cyber Security Testbed for Accelerating Smart Grid Innovations and Deployments](#)

[Project Quad Chart](#)

[Presentation Slides](#)

2:30-2:45PM: Break - Networking & Poster Sessions

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

Sonia Fahmy: [Analysis, Partitioning, and Mapping Tools for Large Experiments](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Zongming Fei: [Enhancing Science Through Custom Paths For Trusted Users](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Omar Chowdhury: [A Principled Approach Aiding the Development of a Compliant Internet PKI](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Yinqian Zhang: [Rethinking Side Channel Security on Untrusted Operating Systems](#)

[Project Quad Chart](#)

[Presentation Slides](#)

3:45-4:15PM: Cybersecurity Researcher Panel: Data Analytics, Security & Privacy

Fang Liu: [Protection of Data Privacy via Differentially Private Multiple Synthesis](#)

[Project Quad Chart](#)

[Presentation Slides](#)

Ruiyu Zhu: [Efficient Secure Multiparty Computation of Large-Scale, Complex Protocols](#)

[Project Quad Chart](#)

[Presentation Slides](#)

4:15-5:00PM: Wrap Up - Von Welch (Indiana University), Bruce Maas (Internet2)

[Presentation Slides](#)

Researchers confirmed for this workshop include:

Indiana University

Raquel Hill: [Leveling the Digital Playing Field for the Job Seeker](#)

Apu Kapadia: [Pragmatic Privacy Controls in an Era of Sensor-Enabled Computing](#)

Sameer Patil: [Ideation Techniques to Facilitate System Design Compliant with Privacy Laws and Regulations](#)

Ruiyu Zhu: [Efficient Secure Multiparty Computation of Large-Scale, Complex Protocols](#)

Iowa State University

Bruce Wang: [High-Fidelity, Scalable, Open-Access Cyber Security Testbed for Accelerating Smart Grid Innovations and Deployments](#)

Missouri University of Science & Technology

Sajal Das: [Securing Smart Grid by Understanding Communications Infrastructure Dependencies](#)

Ohio State University

Yinqian Zhang: [Rethinking Side Channel Security on Untrusted Operating Systems](#)

Purdue University

Sonia Fahmy: [Analysis, Partitioning, and Mapping Tools for Large Experiments](#)

Mathias Payer: [Guarded Control-Flow and Data Privacy for Sensitive Data](#)

University of Chicago

Bimal Viswanath: [Defending against Compromise and Manipulation of Mobile Communities](#)

University of Cincinnati

Philip Wilsey: [Scalable Big Data Clustering by Random Projection Hashing](#)

University of Iowa

Omar Chowdhury: [A Principled Approach Aiding the Development of a Compliant Internet PKI](#)

University of Illinois at Urbana-Champaign

Adam Slagell: [Semantic Security Monitoring for Industrial Control Systems](#)

University of Kentucky

Zongming Fei: [Enhancing Science Through Custom Paths For Trusted Users](#)

University of Notre Dame

Fang Liu: [Protection of Data Privacy via Differentially Private Multiple Synthesis](#)

Vanderbilt University

Daniel Fabbri: [Analysis and Tools for Auditing Insider Accesses](#)

Washington University

Shantanu Chakrabarty: [Zero-Power Dynamic Signature for Trust Verification of Passive Sensors and Tags](#)