

PROGRAM AGENDA

2020 Virtual NSF Cybersecurity Summit for Large Facilities and Cyberinfrastructure



Program Committee Members:

Jim Marsteller (Chair), Mike Corn, Jeannette Dopheide, John Haverlack, Chris Morrison, Anita Nikolich, Helen Patton, Aunshul Rege, Valerie Vogle, Aurelia Williams

Organizers:

Leslee Bohland, Diana Cimmer, Austin Cushenberry, Kelli Shute, Von Welch

All Times Listed in Eastern Daylight Time (EDT)

TRAINING DAY | Tuesday, September 22, 2020

1:00pm Afternoon Training Sessions Begin

- Tackling Cybersecurity Regulations: DARS, CMMC, HIPAA, FISMA, and GDPR (Anurag Shankar, Erick Deumens, Gabriella Perez, Scott Russell)
- Security Log Analysis (Mark Krenz, Ishan Abhinit)
- Developing Cybersecurity Programs to Support NSF Science (Craig Jackson, Bob Cowles)
- Leveraging AI/ML for SOC Threat Hunting and Incident Investigation (Jay Yang, Ryan Kiser, Emily Adams, Scott Orr)
- Web Security and Automated Assessment Tools—Theory & Practice (Bart Miller, Elisa Heymann)

5:00pm Sessions End

Pre-Recorded Trainings | Available beginning September 15

- Both Sides of the Looking Glass: How Vulnerability Scanning and Honeypots Can Work Together in Proactive Cybersecurity Operations (Richard Bieber, Ken Goodwin)
- Using a Digital Forensics Tool to Analyze ENRON data (Ebru Cankaya)
- Foundations of Secure CI (Ciprian Popoviciu, Samir Tout, Lola Killey)

PLENARY SESSION 1 | Wednesday, September 23, 2020

1:00pm	Welcome / NSF Address: OAC's Reimagined Cybersecurity Program (Amy Friedlander)
1:30pm	Keynote: Disinformation (Kate Starbird)
2:30pm	Break
2:45pm	Trusted CI State of the Union (Von Welch)
3:15pm	Collaboration as a Service: Supporting Virtual Research Organizations Forming at the Speed of Threat (Matthew Economou, Kyle Lewis)
3:45pm	Gemini's Policy Laxative (Jerry Brower)
4:15pm	Break
4:45pm	Build a Cybersecurity Culture with Tabletop Security Exercises (Josh Drake)
5:15pm	BoFs – Birds of a Feather <ul style="list-style-type: none">• Jupyter Security Best Practices (Rick Wagner)

Pre-Recorded Plenary Talks | Available beginning September 15

- Protecting the Routing Cyberinfrastructure Through Machine Learning and Statistical Analysis (Pablo Moriano)
- Cybersecurity is a Team Sport (Susan Frank)
- Foundations of Secure CI (Ciprian Popoviciu, Samir Tout, Iola Killey)

PLENARY SESSION 2 | Thursday, September 24, 2020

12:00pm	Student Panel: Multidisciplinary in Cyber (Host: Jeannette Dopheide; Co-host: Aunshul Rege; Panelists: Helen Patton, Rodney Petersen, Kevin Metcalf, Tonya Davis)
1:00pm	Trust Coordination for Research Collaboration in the Era of the European Open Science Cloud (David Groep)
1:30pm	Speak Their Language: Make Cybersecurity Make Sense for Executive Leadership (Susan Sons)

2:00pm Lightning Talks (5 min. each)

- Risky Business: University Cyber Defense (Sean Doyle, Nora Fenton)
- CI CoE Pilot: Where Do We Go From Here? (Anirban Mandal, Wendy Whitcup)
- Client Tools for Transitioning from X.509 to Oauth2 Access Credentials (Dave Dykstra)

2:15pm Q&A with Instructors for Pre-recorded Trainings and Talks

- Protecting the Routing Cyberinfrastructure Through Machine Learning and Statistical Analysis (Pablo Moriano)
- Foundations of Secure CI (Samir Tout)
- Cybersecurity is a Team Sport (Susan Frank)
- Both Sides of the Looking Glass: How Vulnerability Scanning and Honeypots Can Work Together in Proactive Cybersecurity Operations (Richard Biever, Ken Goodwin)

2:30pm Break

2:45pm Trusted CI Fellows Panel (Dana Brunson, Jerry Perez, Laura Christopherson, Luanzheng Guo, Songjie Wang, Smriti Bhatt, Tonya Davis)

3:15pm Two Community Surveys on Data Integrity Issues in Scientific Computing (Jim Basney, Sean Peisert)

3:45pm Break

4:00pm Sharing Expertise and Artifacts for Reuse through Cybersecurity Community Hub–SEARCCH (David Balenson)

4:30pm Open Discussion / Summary of Summit Findings

5:00pm Adjourn
