Industrial Control System Security (ICSS) Workshop
In conjunction with the Annual Computer Security Applications Conference

Tuesday, 10 December 2019
8:30 a.m. – 5:00 p.m.

Tentative Agenda. Subject to change

8:30   *Welcome and Introduction*, Harvey Rubinovitz, The MITRE Corporation; Adam Hahn, Washington State University; and Irfan Ahmed, Virginia Commonwealth University

8:45   "*Keynote Presentation: How to Attack and Defend Wind Farms",* Sujeet Shenoi, and F.P. Walter University of Tulsa

10:00 Break

10:15 *A Probe into Process-Level Attack Detection in Industrial Environments from a Side-Channel Perspective,* Wissam Aoudi, Albin Hellqvist, Albert Overland, and Magnus Almgren, Chalmers University of Technology

10:45 *Use of an SDN Switch in Support of NIST ICS Security Recommendations and Least Privilege Networking*, Varsha Venugopal, Alves-Foss, and Gogineni Ravindrababu, University of Idaho

11:15 *An Distributed Cyberattack Diagnosis Scheme for Malicious Protection Operation based on IEC 61850,* Md Touhiduzzaman, Adam Hahn, and Saeed Lotfifard, Washington State University

11:45 **LUNCH - 12:00 to 1:00 PM. Please note we will resume from lunch at 1:00.**

1:00   "*Invited Presentation: Critical Infrastructure Cybersecurity Research Challenges*", Juan Lopez Jr., Oak Ridge National Laboratory

1:30   *Gas what? I can see your GasPots. Studying the fingerprintability of ICS honeypots in the Wild*, Mohammad-Reza Zamiri-Gourabi, ZDResearch; Ali Razmjoo Qalaei, OWASP; Babak Amin Azad, Stony Brook University

2:00   *A Strategy for Security Testing Industrial Firewalls,* Thuy Nguyen, Steve Austin, and Cynthia Irvine, Naval Postgraduate School

2:30   *If I Knew Then What I Know Now: On Reevaluating DNP3 Security using Power Substation Traffic*, Celine Irvene, Tohid Shekari, David Formby, and Raheem Beyah, Georgia Institute of Technology

3:00   Break 3 to 3:20 PM

3:20   *ICS-SEA: Formally Modeling the Conflicting Design Constraints in ICS*, Eyasu Getahun Chekole, and Huaqun Guo, Institute for Infocomm Research

3:50   "*Invited Presentation: Control Logic Injection Attacks and Defenses"*, Irfan Ahmed, Virginia Commonwealth University

4:20   "*Panel: Collaboration between Academia and Asset Owners: Challenges and Opportunities*", TBD

4:50   *Discussion Period and Wrap-up,* Harvey Rubinovitz, The MITRE Corporation; Adam Hahn, Washington State University; and Irfan Ahmed, Virginia Commonwealth University