

Industrial Control System Security (ICSS) Workshop

In conjunction with the Annual Computer Security Applications Conference

Tuesday, 7 December 2021

8:30 a.m. – 5:00 p.m. (All times in EST)

Tentative Agenda.

- 8:30 *Welcome and Introduction*, Harvey Rubinovitz, Adam Hahn, The MITRE Corp; Irfan Ahmed, Virginia Commonwealth University
- 8:50 “Keynote Presentation: Cautious Optimism”, Stacy Prowell, Oak Ridge National Laboratory.
- 9:35 *A Laboratory-Scale Spillway SCADA System Testbed for Cybersecurity Research*, Mohammad Alim, Shelton Wright, and Thomas Morris, University of Alabama in Huntsville
- 10:05 *Device Fingerprinting in a Smart Grid CPS*, Chuadhry Mujeeb Ahmed University of Strathclyde; Nandha Kumar Kandasamy SIT; Darren Ng Wei Hong, and Jianying Zhou SUTD
- 10:35 **Break (30 minutes)**
- 11:05 *Validating the Security Policies in SDN Switch Across ICS Networks*, Sandeep Gogineni Ravindrababu, and Jim Alves-Foss, University of Idaho
- 11:35 *Using Cloud Honeypot Platforms for Gathering Industrial-Control-System Attack Intelligence*, Alexander Washofsky, Neil Rowe, and Thuy Nguyen, U.S. Naval Postgraduate School
- 12:05 **Lunch (70 minutes)**
- 1:15 *World Wide ICS Honeypots: A Study into the Deployment of Conpot Honeypots*, Sam Maesschalck, Vasileios Giotsas, and Nicholas Race, Lancaster University
- 1:45 *Secure and Efficient Tunneling of MACsec for Modern Industrial Use Case*, Tim Lackorzynski, Sebastian Rehms, Tao Li, Hermann Härtig, TU Dresden; and Stefan Köpsell, Barkhausen Institute
- 2:15 *A Case for Practical Configuration Management Using Hardware-based Security Tokens*, Tim Lackorzynski, Max Ostermann, Hermann Härtig, TU Dresden; and Stefan Köpsell, Barkhausen Institute
- 2:45 **Break (30 minutes)**
- 3:15 “Panel: Discussion on Industrial Cybersecurity Education”, Moderator: Irfan Ahmed, Virginia Commonwealth University; Panelist: Thomas Morris, The University of Alabama in Huntsville; Sean McBride, Idaho State University; and Alvaro Cardenas, University of California
- 4:15 *Discussion Period and Wrap-up, Summary and Topics for Next Year*, Harvey Rubinovitz, The MITRE Corporation; Adam Hahn, The MITRE Corp; and Irfan Ahmed, Virginia Commonwealth University