

Industrial Control System Security (ICSS) Workshop

In conjunction with the Annual Computer Security Applications Conference

Tuesday, 4 December 2018

8:30 a.m. – 5:00 p.m.

Agenda

- 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: Security Analysis of a 1.5 Million+ Smart Meter Infrastructure*”, Sujeet Sheno, University of Tulsa
- 10:00 Break
- 10:15 *Tools, Techniques, and Methodologies: A Survey of Digital Forensics for SCADA Systems*, Rima Awad, Saeed Beztchi, Jared Smith, Stacy Prowell, and Bryan Lyles, Oak Ridge National Lab
- 11:00 *Graph-Based Data Collection Policies for the Internet of Things*, Maribel Fernandez, Jenjira Jaimunk, Department of Informatics, King’s College London; and Bhavani Thuraisingham, The University of Texas at Dallas
- 12:00 **LUNCH - 12:00 to 1:00 PM. Please note we will resume from lunch at 1:00.**
- 1:00 “*Invited Presentation: Potential and Limitations for using Statistical Data Analysis in the Detection of Cyber Attacks on Cyber-Physical Systems*”, John Mulder, Sandia National Laboratories
- 1:45 *The Nuts and Bolts of Deploying Process-Level IDS in Industrial Control Systems*, Magnus Almgren, Wissam Aoudi, Robert Gustafsson, Chalmers University of Technology; Robin Krah, University of Freiburg, and Andreas Lindhé, Combitech
- 2:30 *A Virtual Environment for Industrial Control Systems: A Use-Case in Attack Detection, Identification, and Response*, Andrés Murillo, Luis Francisco Combata; Universidad de los Andes, Andrea Calderón González; Universidad Nacional de Colombia, Sandra Rueda; Uniandes, Álvaro Cárdenas, University of Texas Dallas; and Nicanor Quijanom, Universidad de los Andes
- 3:15 Break
- 3:30 “*Invited Presentation: Cybersecurity Framework Manufacturing Profile Implementation*”, Keith Stouffer, NIST
- 4:15 *Securing Your ICS Software with the Attack Surface Host Analyzer (AHA)*, Adam Hahn, Dave Anderson, and Ali Tamimi, Washington State University
- 5:00 *Discussion Period and Wrap-up*, Harvey Rubinovitz, The MITRE Corporation; Adam Hahn, Washington State University; and Irfan Ahmed, Virginia Commonwealth University

Please let us know if we should continue with this topic for next year, or if you have a new topic for next year.