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 Shenoi, University of Tulsa

10:00 Break


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 Krahl, 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 Combita; Universidad de los Andes, Andrea Calderón González; Universidad Nacional de Colombia, Sandra Rueda; Uniandes, Álvaro Cárdenas, University of Texas Dallas; and Nicanor Quijano, 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.