9th Annual Industrial Control System Security (ICSS) Workshop

In conjunction with the Annual Computer Security Applications Conference
AT&T Conference Center in Austin, Texas
Tuesday, 5 December 2023
8:30 a.m. – 5:00 p.m.

Agenda

Time Slots		Workshop Program
Start	**End**	
8:30	8:45	**Welcome Slides (15 mins):** **General Co-chairs:** Harvey Rubinovitz, The MITRE Corporation, and Greg Shannon, Idaho National Laboratory **PC Co-Chairs:** Irfan Ahmed, Virginia Commonwealth University, and Mina Guirguis, Texas State University **Panel Chair:** Gabriela Ciocarlie, The Cybersecurity Manufacturing Innovation Institute (CyManII)
8:45	10:00	**Keynote (1 hour and 15 mins):** *OT on the Edge* Jonathan Homer, Chief Security Officer at CPS Energy
10:00	**10:25**	**Break (25 minutes)**
10:25	11:15	**Invited Talk (50 mins):** *Measuring Defense: Prioritizing Security Solutions by Efficacy and Adversary Growth* Sarah Freeman, Chief Engineer at The MITRE Corporation
11:15	12:05	**Invited Talk (50 mins):** *Security, Resilience and Artificial Intelligence in Cyber Physical Systems* Sukarno Mertoguno, Georgia Institute of Technology
12:05	**13:30**	**Lunch**
13:30	14:20	**Invited Talk (50 mins):** *A Tale of Two Industroyers - An Analysis of the Russian Malware Used to Attack Ukraine's Power Grid* Alvaro Cardenas, UC Santa Cruz
14:20	14:40	**Research Paper (20 mins):** *Security Hardening of Industrial Control Systems through Attribute Based Access Control*, Shwetha Gowdanakatte, Mahmoud Abdelgawad, and Indrakshi Ray, Colorado State University
14:40	15:00	**Research Paper (20 mins):** *vPLC: A scalable PLC testbed for IIoT Security Research*, Syed Ali Qasim, Grand Valley State University; Muhammad Taqi Raza, University of Massachusetts Amherst; Irfan Ahmed, Virginia Commonwealth University
15:00	**15:30**	**Break (30 minutes)**
15:30	15:50	**Research Paper (20 mins):** *Improving the Resiliency of Embedded Networks in Heavy Vehicles - Towards Fault Tolerance*, Chandrima Ghatak, Saira Jabeen, and Indrakshi Ray, Colorado State University; Hossein Shirazi, San Diego State University
15:50	17:00	**Panel (1 hour and 10 mins):** *Secure Manufacturing* **Moderator:** Gabriela Ciocarlie, The Cybersecurity Manufacturing Innovation Institute (CyManII) **Panelists:** Curtis Taylor, Oak Ridge National Laboratory Kyle Saleeby, Georgia Tech Dongyan Xu, Purdue University Wayne Austad, Idaho National Laboratory
17:00		Wrap-up