

## Adam Hahn, Ph.D.

### Project Role:

**Affiliated Organization:** The MITRE Corporation

**Job Title:** Lead Critical Infrastructure Engineer

### Relevant Job Experience:

2020: Lead Critical Infrastructure Engineer, *The MITRE Corporation*, Dayton, OH

- ATT&CK for ICS contributor, assisted in the identification of mitigations corresponding to ICS-specific adversarial techniques
- Supported the DOE CyTRICS project through the development of a scoring methodology to prioritize the cybersecurity testing of devices within the energy sector
- Worked with a Class 1 railroad operator to develop a cyber-based safety testing methodology, based safety-critical control systems and known adversarial techniques within related ICS environments

2014 – 2020: Assistant Professor, *Washington State University*, Pullman, WA

- Received over \$2 million in federal research grants from the Department of Energy (DOE) and National Science Foundation (NSF) to study methods to improve the security of the smart grid and cyber-physical systems
- Taught a variety of undergraduate and graduate-level courses in cybersecurity, computer networking, and the smart grid, while consistently maintaining reviews above the department average
- Director of WSU Smart City Testbed: Developed a state-of-the-art smart grid testbed that includes software platforms and devices from many leading industry vendors (e.g., GE, Itron, ABB) to support research in emerging technologies in cybersecurity and communications for the grid

2006-2014: Senior Cybersecurity Engineer, *The MITRE Corporation*, McLean, VA

- Principle investigator on cyber-physical system (CPS) security research initiatives exploring resilient cyber architectures and novel risk modeling approaches
- Performed vulnerability assessments and penetration tests for multiple government sponsors including the U.S. Air Force, USTRANSCOM, CMS, DHS, DOI, IRS, and BIA

2005: Summer Intern, *Sandia National Laboratory*, Albuquerque, NM

### Education:

- University of Northern Iowa (Cedar Falls, IA)      Computer Science
  - B.S.      2003
- Iowa State University (Ames, IA)      Computer Engineering
  - M.S.      2006
- Iowa State University (Ames, IA)      Computer Engineering
  - Ph.D.      2013

### Professional Affiliations and Committee Memberships:

- General Co-Chair: Industrial Control System Security (ICSS) Workshop (2015-2020)
- Co-Chair: IEEE Power and Energy Society (PES) CAMS TF on Cyber Security in Power Systems