Join wireless and cybersecurity experts from across the aviation ecosystem to engage with policymakers, apply next generation wireless security skills to pressing challenges in the aviation field, and explore hands-on the research capabilities of INL’s Wireless Security Institute (WSI) and University of Utah’s Platform for Open Wireless Data-driven Experimental Research (POWDER) facility.

**September 7, 2022**
Salt Lake City Marriott University Park, 480 Wakara Way, Salt Lake City, UT 84108
Ballroom 2/3

8:00 Welcome and Workshop Overview ............................................................. Zach Tudor / Dan Elmore
    Associate Laboratory Director, National & Homeland Security, Idaho National Laboratory
    Director, Critical Infrastructure Security & Resilience and Executive Director, INL Wireless Security Institute, Idaho National Laboratory

8:15 Aviation Cyber Initiative...............................................................Randy Talley
    Senior Advisor, Transportation Security Administration, Department of Homeland Security

8:45 Critical Infrastructure Risk Considerations ........................................Ollie Gagnon
    Chief Strategist, Infrastructure Assurance and Analysis, Idaho National Laboratory
    Project Manager, Aviation Cyber Initiative, Idaho National Laboratory

9:15 Operational Technology (OT) Cybersecurity Landscape .......................Wayne Austad
    Chief Technology Officer, National and Homeland Security, Idaho National Laboratory
    Chief Research and Development Officer, Cybersecurity Manufacturing Innovation Institute

9:35 Wireless Security Impacts to OT ..................................................Dr. Arupjyoti (Arup) Bhuyan / Prof. Sneha Kasera
    Technical Director, Wireless Security Institute, Idaho National Laboratory
    Professor, School of Computing, Associate Dean for Academic Affairs, College of Engineering, University of Utah

10:15 Networking Break..............................................................................

10:45 Security and Resilience Implications of 5G for Aviation Subsector ..........Dr. Arupjyoti (Arup) Bhuyan

11:15 Aircraft Data Link Capture/Avionics Cybersecurity Research .............. Jesse Young / Bryan Hatton
    Principal Cybersecurity Researcher, QED Secure Solutions
    Cybersecurity Researcher, Cybercore Integration Center, Idaho National Laboratory

12:00 Lunch (provided) ..............................................................................

1:00 5G Security Issues and Mitigations ..................................................Prof. Sneha Kasera

2:15 Networking Break..............................................................................

2:45 Breakout sessions

  Session 1: Avionic Signal Detection and Classification (WIFIRE Functionality Coverage) University of Utah
  Session 2: Lessons from Cybersecurity Airport Training Course Idaho National Laboratory
3:45  Closing, breakout session share outs, and next steps ................................................................. Ollie Gagnon

Wakara Bar, Salt Lake City Marriott University Park

5:00  No-Host Social

**September 8, 2022**

University of Utah, Salt Lake City

*POWDER (Platform for Open Wireless Data-driven Experimental Research) Facility*

8:00  Transfer from Hotel to University of Utah (bus provided) ..............................................................................................................................

8:30  Introduction to POWDER ....................................Prof. Jacobus (Kobus) Van Der Merwe and the POWDER Team

Jay Lepreau Professor, School of Computing, University of Utah and Director, Flux Research Group

9:15  Hands On User Experience .................................................................

10:00  Break......................................................................................................................

10:15  Walking Tour/Demo of Installed 5G Network in the Campus ................................................

11:45  Transfer from University of Utah to Hotel (bus provided) ..........................................................

12:00  Lunch on own/End of Workshop ..................................................................................

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Connor Meeting Room

1:30  Optional Airport Cybersecurity Training ............................................................Idaho National Laboratory Team

4:30  Adjourn ..................................................................................................................