



Cybersecurity Working Group

Creating Smarter Ground Systems through Cybersecurity Prototyping, Testing and on-orbit Experiments

This working group will include participants from the civil, commercial, defense and intelligence communities. The Cybersecurity Working Group will offer presentations on tools and lessons learned, a hands-on cybersecurity exercise, an interactive panel discussion and a law enforcement brief.

Topics will focus on the efforts to assess relevant cyber vulnerabilities to Ground Systems and architectures and will include:

- Space mission system prototyping and assessment
- A tool to model and performance tune space systems from advanced cyber threats
- Integrating a space system intrusion detection system into ground systems
- Machine Learning Based Anomaly Detection for 1553 Bus for Command Word Behavior Manipulations (MAC-B)