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(E9)

Cyber-based security threats to space missions: establishing the legal, institutional and collaborative framework to counteract them (2)

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HEY YOU! GET OFF OF MY SATELLITE!

**Abstract**

There are many components and systems that may be targeted in a space system by adversaries including ground station systems and satellites. In this presentation we will discuss ideas for providing cyber resiliency in zero-gravity. Both theoretical and real-world examples of cybersecurity issues concerning satellite systems will be covered. This presentation will step through attack trees for targeting satellite systems. Recommendations best practices for securing satellite systems will be discussed. In addition, new ideas industry is currently developing for improving the cyber resiliency of space systems will be presented.