

IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF SPACE ACTIVITIES  
(E9)

Interactive Presentations - IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY  
OF SPACE ACTIVITIES (IP)

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**Abstract**

This presentation will discuss real-world satellite attacks then continue into an architecture for a cyber resilient software-defined satellite architecture that provides an autonomous cybersecurity self-healing and immunity capability. The discussion will include the concept of a software-defined satellite architecture capable of detecting the undetectable advanced persistent threat then automatically and dynamically morph the configuration to continue uninterrupted mission operations. In addition, the presentation will discuss software-defined satellite cybersecurity deception.