

AMOS 2018 Conference

**AMOS Advanced Maui Optical and Space Surveillance
Technologies Conference, Maui, September 11–14, 2018**

**Report to IAA Space Debris Committee
September 29, 2018**

T. Schildknecht

AMOS 2019 Conference



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- **Short Courses (½ day)**
 - **Conjunction Assessment Risk Assessment (CNES/NASA)**
 - **Space Debris Risk Assessment and Mitigation Analysis – Verification of compliance with requirements on space debris mitigation using ESA’s DRAMA software (Tim Flohrer ESA)**
 - **Operational Analytics: Demystifying Machine Learning (Applied Defense Solutions)**
 - **Introduction to theory and application of multi-objective optimization using Genetic Algorithm (Cornerstone Consulting LLC)**
 - **Statistical Orbit Determination for Space Surveillance and Tracking (Moriba Jah, University of Texas at Austin)**
 - **Observing and Characterizing Space Debris (Thomas Schildknecht, Astronomisches Institut Universität Bern)**

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- **SSA Policy Fora (panels)**
 - **Space Situational Awareness and Enhancing Security and Deterrence**
 - **Space Traffic Management and Modernizing Oversight of Commercial Space Activities**
 - **SSA to Support Best Practices For Rendezvous and Proximity Operations**

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■ Sessions

- Adaptive Optics and Imaging (6 oral)
- SPACE-BASED ASSETS (4 oral)
- Non Resolved Objects Characterization (8 oral)
- Optical System & Instrumentation (12)
- Astrodynamics (10 oral)
- Orbital Debris (6 oral)
- SSA (12 oral)
- *77 Posters*