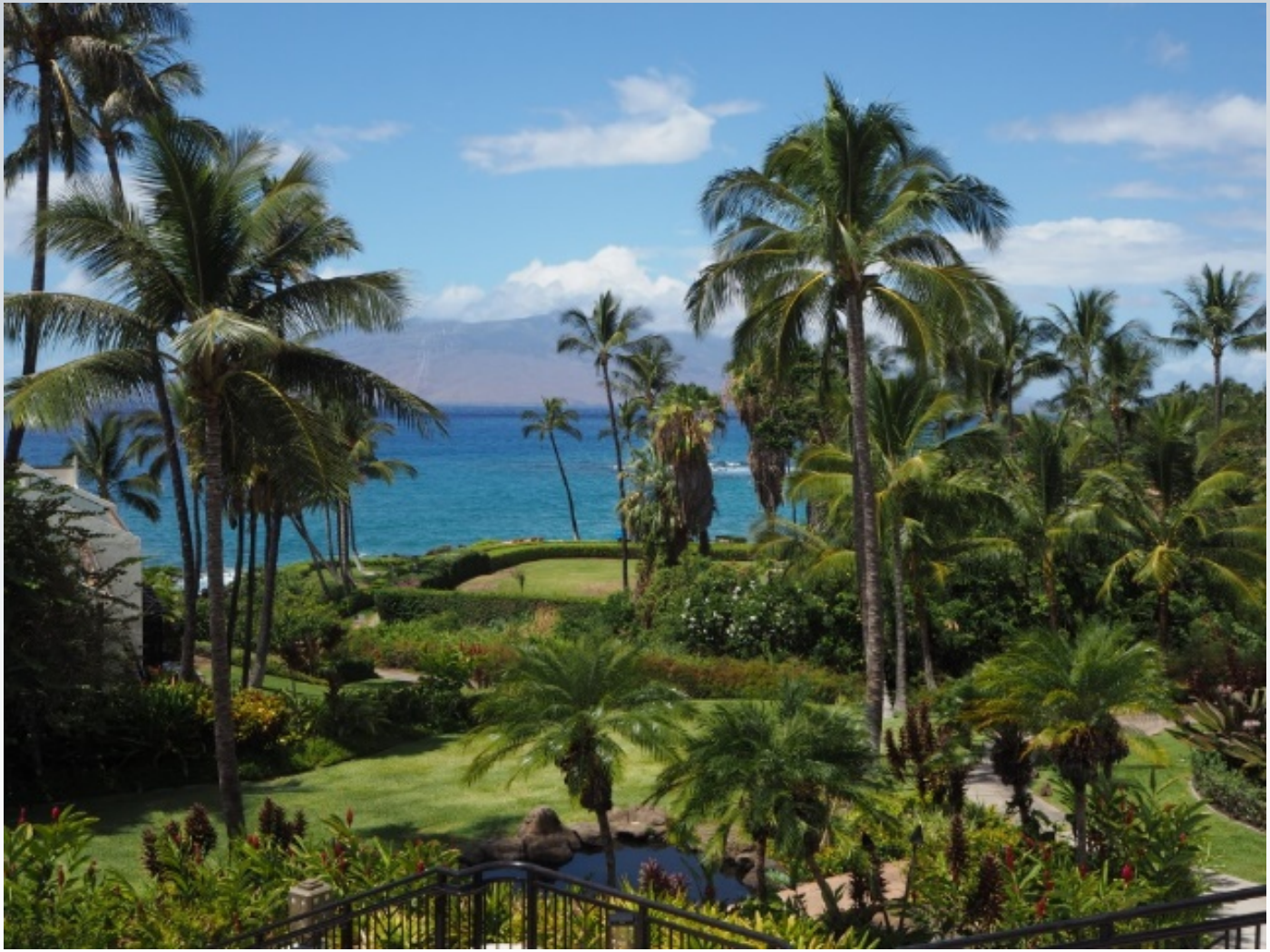
AMOS 2019 Conference

AMOS Advanced Maui Optical and Space Surveillance Technologies Conference, Maui, September 17–20, 2019

Report to IAA Space Debris Committee
October 19, 2019

T. Schildknecht

AMOS 2019 Conference



AMOS 2019 Conference

- 10 Short Courses (½ day), among them
  - **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)
  - **Demystifying Machine Learning and Deep Learning Neural Networks** (L3-Harris (Applied Defense Solutions))
  - **Deep Learning for Space Situational Awareness** (Univ. of Arizona)
  - **Telescopes and Optics for Ground-Based Optical SSA** (Sandia National Labs)
  - **Observing and Characterizing Space Debris** (Thomas Schildknecht, Astronomisches Institut Universität Bern)

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- SSA Policy Fora (panels)
  - The Future of Launch and On-Orbit Safety
  - Oversight of Satellite Constellations: Licensing and Norms
  - SSA Data Sharing and Open Data Repositories

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- **Sessions**
  - **Space Situational Awareness** (7 oral)
  - **Non Resolved Objects Characterization** (8 oral)
  - **Adaptive Optics and Imaging** (5 oral)
  - **Machine Learning for SSA** (4 oral)
  - **Space-Based Assets** (6 oral)
  - **Adaptive Optics and Imaging** (7 oral)
  - **Optical System & Instrumentation** (12)
  - **Astrodynamics** (10 oral)
  - **Orbital Debris** (4 oral)
  - ***45 Posters***