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

- 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