Celebrating its 20th anniversary, the Advanced Maui Optical and Space Surveillance Technologies (AMOS) Conference brought together a record-breaking 919 participants from 18 countries, the largest attendance in its history, at the Wailea Beach Resort-Marriott, Maui. The event, presented by the Maui Economic Development Board (MEDB), is the premier technical conference in the nation devoted to Space Situational Awareness (SSA) and Space Traffic Management (STM).

The cross-section of private sector, government, and academic participation helped foster important dialogue and international collaboration. The continued growth in attendance and participating countries at AMOS reflects the growing worldwide interest in space sustainability and space commerce initiatives.

Keynotes and panel discussions focused on improving SSA and STM to enable a rapidly growing commercial space economy while ensuring the safety, security, reliability, and operational sustainability of outer space to benefit all nations. Attendees discussed the critical nature of space safety, and focused on the need to mitigate the risk of collision or interference between satellites. As the situation becomes more urgent and the need for collaborative sustainability grows, governmental space policy, business incentives, and special technical requirements may all be needed to enhance space sustainability.

In addition to the technical sessions, the AMOS Conference included keynote speakers, policy forums, exhibit and poster sessions, technical short courses, networking events, the second annual EMER-GEN™ program, Best Paper Award, Best Student Paper Award, and Best Presenter Award in each technical session.
AMOS CONFERENCE WEEK

SEP 16 | MON

2ND ANNUAL EMER-GEN™
40 Delegates | 13 Mentors

2ND ANNUAL EMER-GEN™

SEP 17 | TUE

9 TECHNICAL SHORT COURSES
Conjunction Assessment Risk Analysis
Space Debris Risk Assessment and Mitigation Analysis
Demystifying Machine Learning and Deep Learning Neural Networks
Theory and Application of Multi-objective Optimization using Genetic Algorithm
SSA Optical Systems Modeling and Simulation
Observing and Characterizing Space Debris
Deep Learning for Space Situational Awareness
Telescopes and Optics for Ground-Based Optical SSA
How to Get the Most out of Space-Track.org

AMOS OPENING KEYNOTES
MAJ GEN JOHN SHAW
Deputy Commander, Air Force Space Command
BRIG GEN THOMAS JAMES
Commander, U.S. Space Command’s Joint Task Force Space Defense
HIROHISA MORI
Director National Space Policy Secretariat, Cabinet of Japan

SEP 18 | WED

AMOS KEYNOTE
FRANCESCA LETIZIA
Space Debris Engineer, ESA/ESOC
Space Debris Office, Germany

SEP 19 | THU

AMOS SSA POLICY FORUM
The Future of Launch and On-Orbit Safety

SEP 20 | FRI

AMOS SSA POLICY FORUM
SSA Data Sharing and Open Data Repositories

TECHNICAL SESSIONS
15 presentations Astrodynamics and Orbital Debris

SPACE EXPLORATION STUDENT SESSION
AND AUDIENCE WITH AN ASTRONAUT
STEM middle school students and educators participate in hands-on STEM demonstrations with exhibitors, and met Astronaut, Dr. Edward Lu

POSTER SESSION & EXHIBIT RECEPTION
(CO-HOSTED BY SPACE-NAV)
57 Poster Presentations and 26 Exhibitors

20th ANNUAL CELEBRATION DINNER

AMOS WELCOME RECEPTION
(CO-HOSTED BY BOEING)

AMOS KEYNOTE
KEVIN O’CONNELL
Director of the Office of Space Commerce, U.S. Department of Commerce

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