

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.

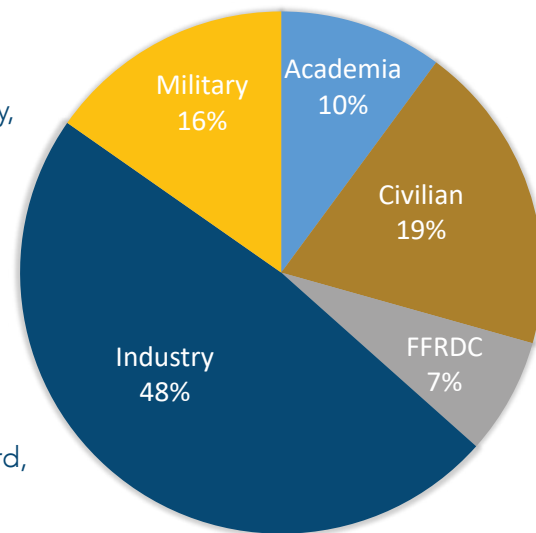
Keynotes and panel discussions focused on improving SSA and STM to enable a rapidly growing commercial space economy while ensuring the safety, security, reliability, and operational sustainability of outer space to benefit all nations. Attendees discussed the critical nature of space safety, and focused 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.



919 PARTICIPANTS

10% increase over 2018



136 INTERNATIONAL PARTICIPANTS | 18 COUNTRIES



AUSTRALIA



AUSTRIA



BELGIUM



CANADA



CHILE



FRANCE



GERMANY



JAPAN



REPUBLIC
OF KOREA



NEW ZEALAND



PHILIPPINES



POLAND



SLOVAKIA



SPAIN



SWEDEN



SWITZERLAND



THAILAND



UNITED KINGDOM

20 YEARS



AMOS CONFERENCE WEEK

SEP 16 | MON



2ND ANNUAL EMER-GEN™

40 Delegates | 13 Mentors



INTERNATIONAL RECEPTION (CO-HOSTED BY AGI)



SEP 17 | TUE



2ND ANNUAL EMER-GEN™



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 WELCOME RECEPTION (CO-HOSTED BY BOEING)



SEP 18 | WED



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

SSA POLICY FORUM

The Future of Launch and On-Orbit Safety



INTERNATIONAL SSA DATA OPERATOR EXCHANGE

TECHNICAL SESSIONS

16 presentations on SSA; Non-Resolved Object Characterization; and Machine Learning

POSTER SESSION & EXHIBIT RECEPTION (HOSTED BY SAIC)

57 Poster Presentations and
26 Exhibitors

20th ANNUAL CELEBRATION DINNER



SEP 19 | THU



KEYNOTE

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



SSA POLICY FORUM

Oversight of Satellite Constellations:
Licensing and Norms

AMOS DIALOGUE

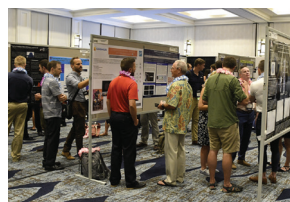
SSA and Commercial RPO &
Satellite Servicing

TECHNICAL SESSIONS

17 presentations on
Space-based Assets; Adaptive Optics
& Imaging; and Optical Systems &
Instrumentation

POSTER SESSION & EXHIBIT RECEPTION

(CO-HOSTED BY SPACE-NAV)
57 Poster Presentations and
26 Exhibitors



SEP 20 | FRI



KEYNOTE

KEVIN O'CONNELL
Director of the Office of Space
Commerce, U.S. Department of
Commerce

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

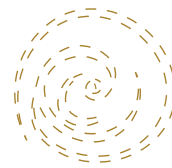
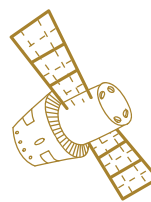
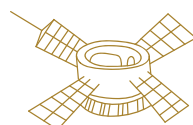
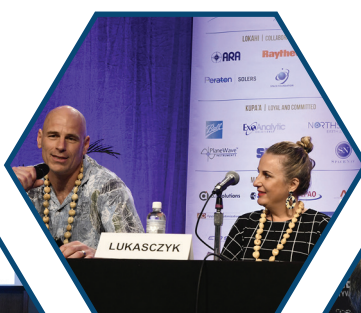
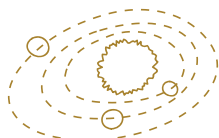
STEM middle school students and
educators participate in hands-
on STEM demonstrations with
exhibitors, and met Astronaut,
Dr. Edward Lu



AWARDS CEREMONY BEST STUDENT PAPER, BEST PAPER, AND BEST PRESENTATION



PAU HANA RECEPTION (CO-HOSTED BY L3HARRIS)



SAVE THE DATE 2020 | SEP 15-18