

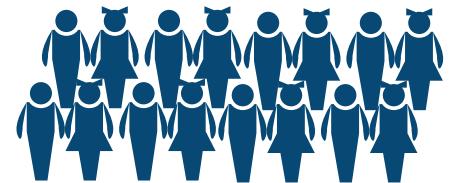


Celebrating its 20th anniversary, the Advanced Maui Optical and Space Surveillance Technologies (AMOS) Conference brought together a record-breaking 919 participants from 18 countries, the largest attendance in its history, at the Wailea Beach Resort-Marriott, Maui. The event, presented by the Maui Economic 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.

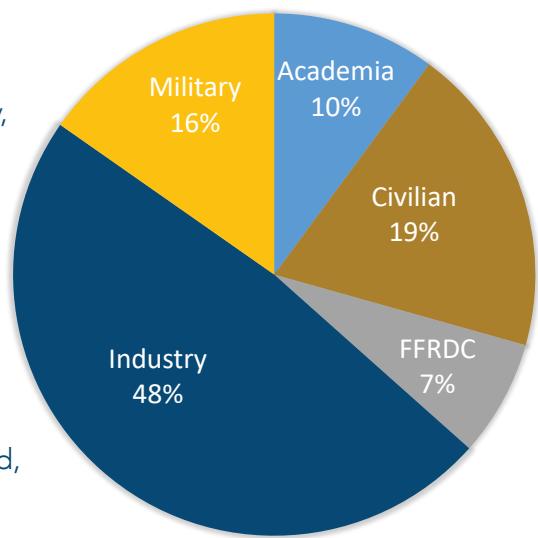
Keynotes and panel discussions focused on improving SSA and STM to enable a rapidly growing commercial space economy while ensuring the safety, security, reliability, and operational sustainability of outer space to benefit all nations. Attendees discussed the critical nature of space safety, and focused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



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)



## 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



## 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



## 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

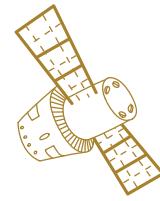
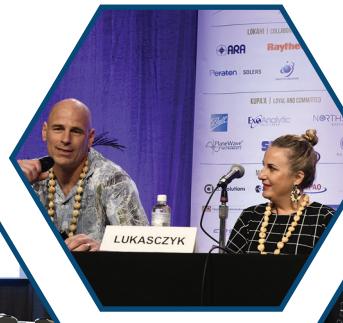
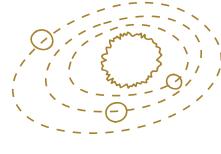


## AWARDS CEREMONY

BEST STUDENT PAPER, BEST PAPER, AND BEST PRESENTATION



## PAU HANA RECEPTION (CO-HOSTED BY L3HARRIS)



**SAVE THE DATE 2020 | SEP 15-18**