

21ST

# AMOS

Advanced Maui Optical and Space Surveillance Technologies Conference  
**VIRTUAL**

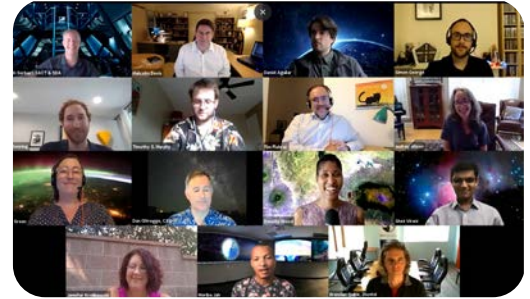
SEPTEMBER 14-18, 2020

PRESENTED BY **maui economic DEVELOPMENT BOARD**

The 21st, and first virtual, Advanced Maui Optical and Space Surveillance Technologies (AMOS) Conference and EMER-GEN® program, presented by Maui Economic Development Board (MEDB), helped foster important dialogue and international collaboration on the space environment, at a time when global security is rapidly changing. The three-day AMOS Conference, known as the premier technical conference in the nation devoted to Space Situational Awareness (SSA), Space Domain Awareness (SDA), and Space Traffic Management (STM), offers a cross-section of private sector, government, and academic participation worldwide. The continued growth in attendance and participating countries reflects the growing global interest in space sustainability and space commerce initiatives.

With relatively little advance notice, the AMOS team was able to make the inaugural all-virtual conference experience engaging and fruitful with the combination of live-streaming, on-demand sessions, digital exhibits, and networking chatrooms. Additionally, an Aloha Reception featuring Hawaiian music and Tahitian dancing transported participants from around the world to paradise in anticipation for their in-person return to Maui in 2021.

Here's a snapshot of Conference stats over the week -- we welcomed 885 participants across 25 countries who generated 21,931 user actions, 714 social posts and 599 unique visits to 32 exhibitors.



*"Nothing beats being in person at Maui but I think the AMOS team, presenters and exhibitors did the best they could given the circumstances. The website interface was fantastic and the conference was really well done given the virtual format. Kudos!"*

## 179 INTERNATIONAL PARTICIPANTS



AUSTRALIA



AUSTRIA



BELGIUM



CANADA



FRANCE



GERMANY



INDIA



IRAN



ISRAEL



JAPAN



REPUBLIC OF KOREA



NETHERLANDS



NEW ZEALAND



PHILIPPINES



POLAND



RUSSIA



SLOVAKIA



SPAIN



SWEDEN



SWITZERLAND



THAILAND



UKRAINE

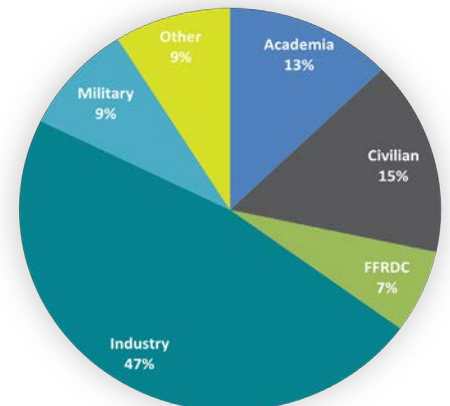


UNITED ARAB EMIRATES



UNITED KINGDOM

## BY SECTOR



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### KEYNOTES & OPENING REMARKS

MAJOR GENERAL STEPHEN N. WHITING |  
Deputy Commander, United States Space Force  
QUENTIN VERSPIEREN | Researcher, University of Tokyo  
MARK DANKBERG | CEO, Viasat



### INVITED TALK

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

### TECHNICAL SHORT COURSES

Space Law & The Space Law Games: Legal Liability and Mapping the Future in Orbit  
Collision Avoidance Risk Assessment  
Demystifying Machine and Deep Learning  
Observing and Characterizing Space Debris  
Space CAMP Intro to DevSecOps  
Telescopes and Optics for Ground-Based Optical SSA  
Using CelesTrak for SSA  
Deep Learning Methods for Space Situational Awareness

### FEATURED PRESENTATION

COL ERIC FELT | Director, Space Vehicles Directorate Air Force Research Laboratory  
COL JOSEPH ROTH | Director, Innovation and Prototyping Directorate Space and Missile Systems Center

### SSA POLICY FORUM

Extending SSA and Space Activities to Cislunar Space  
Challenges and Opportunities in Developing Norms of Behavior  
Evolution of Industry Best Practices for Space Sustainability

### TECHNICAL PRESENTATIONS WITH LIVE Q&A AND DIGITAL POSTERS

Adaptive Optics & Imaging  
Astrodynamics  
Atmospherics/Space Weather  
Cislunar SSA  
Machine Learning  
Non-Resolved Object Characterization  
Optical Systems & Instrumentation  
Orbital Debris  
Space-Based Assets  
SSA/SDA



### AWARDS IN COLLABORATION WITH AMERICAN ASTRONOMICAL SOCIETY (AAS)

STUDENT AWARD  
SAM WISHNEK | University of Colorado Boulder  
BEST PAPER AWARD  
JESSE GREAVES | University of Colorado Boulder



3<sup>rd</sup> Annual | 37 Delegates | 13 Countries

4-Day Virtual Program + Pre & Post Webinars



*Career Pathways | Communication in Diverse Settings | Consensus Building | Emerging Nations | Hackathon  
Hawaii Aerospace Virtual Tours | Hawaiian Navigational Compass | Lessons in Leadership | Mentor Session*



Save the Date | September 14-17, 2021