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EVENT DATE: AMOS Conference - Sept 15-18, 2026
EMER-GEN Conference – Sept 13-15, 2026

LOCATION: Wailea Beach Resort
3700 Wailea Alanui Drive, Wailea, HI 96753

FAST FACTS

Description: The Advanced Maui Optical and Space Surveillance Technologies (AMOS) Conference is the premier technical conference in the nation devoted to space situational awareness. The cross section of private sector, government, and academic participation helps foster important dialogue and international collaboration. The continued growth in attendance and participating countries at AMOS reflects a growing interest in space sustainability and space commerce initiatives as new actors—national governments, private sector companies, non-governmental entities, and universities—become involved in these activities.

The conference is hybrid with an in-person event complemented by virtual components including livestream.

The call for papers for the 2026 AMOS Conference closes March 2 and anticipates attracting abstracts from over 20 countries. The number and content of the submissions demonstrate the continued evolution and advancements in field of space domain awareness and is reflected in the session topics to be covered this year: AI for SDA, Astrodynamics, Cislunar SDA, Conjunction/RPO, Satellite Characterization, SDA Systems & Instrumentation, Space-based Assets, Space Debris, Space Domain Awareness; and Atmospherics/Space Weather.

Papers are eligible for publication in the 2026 Journal of Astronautical Sciences as well as a Best Paper and Presentation Award. There is also a Student Award for the best manuscript submitted by a student.

In addition to the Technical Sessions, the AMOS Conference features Keynote Speakers, Policy Forums and Technical Short Courses. The on-site Exhibit Venue provides opportunities for sponsors to showcase new technologies and services as well as encouraging networking. There will also be virtual access to posters and networking rooms.

This will be the ninth year of the **EMER-GEN program**, designed especially for young professionals and students (35 and under) enthusiastic about careers in space. The program will be in-person with three webinars pre-event to prepare the cohort.

Presenter: This event is presented by the **Maui Economic Development Board,** a 501(c)(3) not-for-profit corporation established in 1982 with a mission to diversify Maui County's economy, building pathways to innovation, jobs and opportunities for our residents. Through partnerships with the public and private sector, MEDB undertakes projects that assist growth industries with navigating and thriving in our county, educates and trains residents for new careers, and engages our community in forums that determine future economic directions.

AMOS CONFERENCE FAST FACTS – continued

Technical Chairs
Paul Kervin, AFRL/RDSM retired
Daron Nishimoto, Maui Economic Development Board

2026 Session Topics and Chairs

AI for SDA Applications
Justin Fletcher, USSF SSC/BCB
Heather James, Kitware, Inc.

Astrodynamics
Laura Pirovano, Northstar Earth & Space
Paul Schumacher, AFRL (Retired)

Atmospherics/Space Weather
Piyush Mehta, West Virginia University
Shaylah Mutschler, Space Environment Technologies

Cislunar SDA
Mark Bolden, Trusted Space
Jaime Stearns, Space RCO

Conjunction/RPO
Zach Funke, University of Colorado Boulder
Jonathan Kadan, SSC/SYD 85/BI Odyssey Systems

Satellite Characterization
Heather Cowardin, NASA
Marcus Holzinger, University of Colorado Boulder

SDA Systems & Instrumentation
Brett Hokr, EO Solutions
Jim Shell, Novarum Tech, LLC

Space-Based Assets
BT Cesul, Umbra
Neil Dhingra, BlackSky

Space Debris
Chris Kunstadter, Triton Space LLC
Darren McKnight, LeoLabs

Space Domain Awareness
Jeremy Raley, AFRL (Retired)
Ayla Reed, 15th Space Surveillance Squadron (MD2)

AMOS CONFERENCE FAST FACTS – continued

Technical Short Courses

Short courses provide opportunities for working professionals to upgrade their technical job skills and remain abreast of recent developments in their respective fields of interest. The small size of each class gives an excellent opportunity for personalized instruction. Taught by highly regarded industry experts on a variety of subjects, courses are selected through a Call for Short Course Proposals with a March 2 deadline.

Ten short courses will be presented in-person on Tuesday, September 15 at the AMOS Conference venue over two sessions. All participation will be in-person with no live streaming available, and no recording.

1. **Panchromatic, Multi-spectral, Spectroscopy and Polarimetry Data Collection and Image Processing for Non-resolved Space Object Characterization -** Presented by Francis Chun, *U.S. Air Force Academy;* Benjamin Roth, *U.S. Air Force Academy*; Timothy Strong, *i2 Strategic Services LLC;* David Strong, *Strong EO Imaging, Inc.*; Anil Chaudhary, Applied Optimization; Phillip Fishbein, *Applied Optimization*
2. **Observing and Characterizing Space Debris -** Presented by Thomas Schildknecht, *Space Analytics*
3. **Telescopes and Optics: An Introduction to Optical SSA -** Presented by Peter Zimmer, *COMSPOC/JTMA*
4. **Applied Multi-Sensor Fusion for Enterprise-Level SDA: Deriving Coherent, Time-Relevant Operational Insight from EO, Passive RF and Heterogeneous Data Sources –** Presented by Harris Mohamed, *KRATOS*; Kyle Overton, *COMSPOC;* Jason Ruggieri, *COMSPOC*; Steve Williams, *KRATOS*
5. **Architecting the Future of SDA: Implementing MOSA for Rapid Innovation -** Presented by Yvette Rodriguez, *Warfighting Acquisition University;* Nicholas LeGrand, *Office of the Assistant Secretary of War for Mission Capabilities*; Monique, *Office of the Assistant Secretary of War for Mission Capabilities*
6. **Deep Learning & Large Language Methods for Space Domain Awareness -** Presented by Roberto Furfaro, *University of Arizona;* Richard Linares, *Massachusetts Institute of Technology*; Weston, *L3Harris*
7. **Resource-Constrained Sensor Scheduling for Space Domain Awareness: A Scenario-Based Interactive Workshop -** Presented by Brenton Smith, *Zendir;* Christopher Capon, *Zendir*
8. **Uncertainty Propagation for Space Situational Awareness -** Presented by Brandon Jones, *University of Texas at Austin*
9. **Foundational Cislunar Education -** Presented by Jonathan Smith, *Parsons*
10. **Hands-On Space Mission Analysis: Building Voice-Controlled AI Agents for GMAT, SatSim, and SDA Image Processing -** Presented by Christopher Grant, *Hyperion Vector Systems;* Jon Terry, *Hyperion Vector Systems*

Four courses will be held virtually on Monday September 14. The presentations are "live," (no recording) and participants will have the ability to interact with the instructor and attendees in real-time.

A. **The Probability of Collision Controversy -** Presented by Alinda Mashiku, *NASA;* Dolan Highsmith, *The Aerospace Corporation*; Hunter Toumey, *The Aerospace Corporation;* Eliot Toumey, *Omitron, Inc.*
B. **Optical Modeling and Simulation for SSA/SDA -** Presented by Patrick North, *AGI*
C. **Introduction to Data Driven Analytics and Applications to SSA -** Presented by Jeff Cornelius, *Parsons*
D. **Real-Time Conjunction Assessment and Optimal Collision Avoidance: Theory, Algorithms, and Implementation of Own SSA/STM Software -** Presented by Douglas Deok-Soo Kim, *SPACEMAP Inc.;* Peter (Joonghyun) Ryu, *SPACEMAP Inc.*; Shawn Seunghwan, *SPACEMAP Inc.*

Full descriptions of all the short courses are available at https://amostech.com/short-courses.

AMOS CONFERENCE FAST FACTS – continued

2026 Sponsors

Po'okela (working together)

KBR

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Laulima (working together)

Amazon Leo
BAE Systems
Blue Canyon Technologies
EO Solutions
Kratos
Lockheed Martin
Northrop Grumman
Slingshot Aerospace
SpaceNav
Voyager

Lokahi (collaboration and unity)

Astroscale
AV
Boeing
CACI
General Atomics Electromagnetic Systems
Johns Hopkins University Applied Physics Laboratory
LeoLabs
LSAS Tec
Parsons
Peraton
Telesat Government Solutions
True Anomaly

Kupa'a (loyal and committed)

Amazon Leo
Mantis Space
Orion Space Solutions
SAIC
Space Foundation
SpaceMap

Malama (to care for)

a.i. solutions
Advanced Scientific Concepts
Advanced Space
Aerospace Corporation
Amentum
Astro Haven Enterprises
ATIK Cameras
Celestron
Ciena
Diffraction Limited
GMV
Green Optics
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Exhibitors

a.i. solutions | Advanced Scientific Concepts | AFRL | Astro Haven Enterprises | ATIK Cameras | BAE Systems Celestron | COMSPOC | Diffraction Limited | EO Solutions | General Atomics Electromagnetic Systems GMV | Green Optics | Hart Scientific Consulting International | JHU Applied Physics Laboratory Kayhan Space | KBR | Kratos | Lipoa | LSAS Tec | Nokomis | Observable Space | Office of Space Commerce Rocket Lab | Sea West Observatories | SEAKR | Slingshot Aerospace | SpaceFlux | SpaceMap | SpaceNav Teledyne | Terran Orbital | The Mitre Corporation | TOPTICA Photonics | Turion Space

FAQs

How did the conference come to be on Maui?

Maui has some of the most diverse and highly capable optical telescopes (AEOS), instrumentation (adaptive optics, spectrometers, photometers, radiometers, etc.) and processing capabilities (MHPCC) centralized into one location on the planet earth.

The AMOS Conference began in 1999 as an AFRL initiative, executed by the Maui Economic Development Board (MEDB). At that time, the focus of the conference was as a users' conference and to promote the Air Force Maui Optical and Supercomputing Site (AMOS) which has provided the U.S. Department of Defense (DoD) with space situational awareness (SSA) capabilities for over 65 years (since 1951).

In 2006, MEDB assumed ownership of the AMOS Conference from the Air Force and proceeded to build upon early success by evaluating and adding elements to the conference that bring value to the SSA/SDA (Space Domain Awareness) Community. In the 20 years since, MEDB's intent in presenting the AMOS Conference is still to support the Air Force's mission on Maui which, in turn, supports MEDB's mission of economic diversification.

What are the various activities of the AMOS Conference?

For the AMOS Conference to continue to be of benefit to the Air Force, it must also be of benefit to the SSA/SDA Community at large. The conference has expanded from solely technical sessions to include exhibition and sponsorship opportunities; SSA Policy sessions that explore international issues; keynotes by international SSA thought leaders; invited workshops that promote international collaboration and cooperation on SSA/SDA topics; and technical short courses. Evening receptions provide informal opportunities to network and build connections.

New in 2025 was the introduction of **digital touch screen monitors** for displaying posters, replacing the printed versions. Select poster presenters will be scheduled to give an 8-minute overview of their poster during the Wednesday and Thursday's poster receptions.

How are presenters selected for the Technical Sessions?

A Call for Papers is announced at the beginning of the year with submissions closing March 2. Papers are reviewed and selected by Technical Chairs that have been selected to moderate the specific sessions noted to be in high demand by the submissions.

Papers that are not accepted for an oral presentation may be invited to present a poster. To expand the number of opportunities to present at AMOS, virtual posters are offered with select presenters invited to present in-person. All presenters, oral or poster, are required to submit a final paper by August 21 in order to present at the AMOS Conference.

AMOS CONFERENCE FAQ – continued

Where are the Technical Papers published?

Final papers are collated into the Proceedings for the year and available for purchase 8-10 weeks post-Conference. The Conference also maintains an archive of individual technical papers presented at the AMOS Conference since 2006 which is searchable online as a resource to the SSA technical community. These are now located in the AMOS Conference Technical Library (launched in November, 2025) at https://amostech.space

In 2026, relevant papers will be considered for publication in the 2026 AMOS Collection in the Journal of Astronautical Sciences, an archival publication devoted to the sciences and technology of astronautics. Articles are published which present significant new results, important insights, or state of the art surveys in all areas of astrodynamics, celestial mechanics, atmospheric flight mechanics, navigation and guidance, and space-related sciences.

What awards are associated with the AMOS Conference?

For the ninth year, the Space Surveillance Technical Committee of the American Astronautical Society (AAS) and AMOS Conference will present a Student Award for the best manuscript submitted and presented by a student. The winner receives a $3,000 stipend, as well as free registration for both the AMOS Conference and EMER-GEN.

All presentations are eligible for an overall Best Paper that will be presented end of the Conference. Poster presenters are also in the running for awards – Best Poster, Most Creative, Best Newcomer and Best Poster Pitch Presentation.

What is the AMOS Policy Forum?

The AMOS Policy Forum (previously called SSA Policy Forum), coordinated in collaboration with Secure World Foundation, explores international issues related to Space Situational Awareness in a panel format. Held at the start of each day of the 3-day AMOS Conference, Wednesday to Friday, the sessions are preceded by a relevant keynote presented by an invited SSA thought leader. Bringing together the developers and implementers of SSA capabilities and the architects of SSA policy provides a forum to interact at a time when the landscape is rapidly changing. This year's topics are yet to be announced.

How will the virtual conference experience be for attendees?

A robust virtual platform provided by X-CD technologies will allow attendees to attend the live plenary sessions and participate in Q & A via a chat function. The platform will include a poster venue and the opportunity to network with fellow attendees. Technical sessions will be on-demand, and all presentations will be recorded for later access by those registered unable to attend the live streaming.

A virtual exhibit hall will have a collection of resources (links and downloads) provided by sponsors. In the poster venue, attendees can view pre-recorded 3-minute presentations of the posters and post questions to the presenters via the discussion board.

AMOS CONFERENCE FAQ – continued

Who attends?

Along with United States representatives from military, government, academia and commercial sectors, the number of countries that have attended over the history of AMOS Conference is 46 – Australia, Austria, Belgium, Brazil, Bulgaria, Canada, Chile, China, Czech Republic, Egypt, Finland, France, Germany, Greece, Hong Kong, India, Iran, Ireland, Israel, Italy, Japan, Kazakhstan, Luxembourg, Malaysia, Netherlands, New Zealand, Norway, Pakistan, Panama, Philippines, Poland, Portugal, Republic of Korea, Russia, Singapore, Slovakia, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, Ukraine, United Arab Emirates, United Kingdom.

A sampling of companies, universities, and government organizations that have attended AMOS can be viewed/downloaded.

What is EMER-GEN and what do you expect to achieve?

The EMER-GEN program is a joint initiative of the AMOS Conference and the Space Generation Advisory Council (SGAC). Designed especially for young professionals and students (35 and under) enthusiastic about careers in space, the original 2+ day program has grown to include webinars before the main event with a focus on fostering innovation and entrepreneurship among the cohort. Through the whole program, participants are challenged to solve/hack a problem to create new opportunities for space-based technologies.

With the help of advisers from industry, government, academia and NGOs, the EMER-GEN experience offers the experience offers

- Mentoring with renowned space specialists from the public sector (military and civil), private sector, and non-governmental organizations
- Networking with other young professionals
- Technical Short Course presented by a specialist in space situational awareness
- Professional Development sessions to enhance your effectiveness in a global environment

The partnership with SGAC provides an opportunity to extend the reach of the AMOS Conference and to contribute to the professional development of the upcoming space generation.

Scholarships are available to Hawaii-based residents.

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2026 AMOS CONFERENCE PRESS RELEASES

(latest to earliest)

Contact: Annette Lynch, Program Director, Conference Services, Maui Economic Development Board
Ph: 808-270-6811 **E:** annette@medb.org

FOR IMMEDIATE RELEASE

Space Policy Takes Center Stage at AMOS 2026

Kihei, Maui, Hawaii, August 19, 2026 – The 27th Annual AMOS Conference returns to Maui September 15-18, bringing together leaders and experts from government, industry, academia, and the military to discuss developments in space domain awareness, spaceflight safety, and related fields.

The conference will open with a keynote address by General Stephen N. Whiting, Commander, U.S. Space Command. General Whiting has held leadership roles across the U.S. Air Force, U.S. Strategic Command, the Department of Defense, and the U.S. Space Force, overseeing military space operations and national security initiatives.

Each morning's AMOS Policy Forum, presented in partnership with the Secure World Foundation, will bring together operators, technology developers, and policymakers to discuss the technical, operational, and policy challenges influencing space domain awareness and spaceflight safety.

Following General Whiting's keynote, the forum will address the growing role of dual-use space situational awareness capabilities in a discussion titled "Much Ado About Tracking: Navigating Dual-Use SSA". Moderated by Victoria Samson, Chief Director of Space Security and Stability at Secure World Foundation, the panel will feature Hilary Cohen, Director of Operations, HEO USA; Krista Langeland, Senior Physical Scientist, RAND Corporation; Jessica Tok, Space Policy Analyst, with the DOW Office of the Secretary of War; and Colonel Jonathan Whitaker, Chief of Staff for NATO's Combined Force Space Component Command and Director of the NATO Space Operations Centre.

The technologies used for civilian SSA can also be used to monitor military satellites or space assets of adversarial nations. This is especially true for some of the new in-space SSA constellations. Also, there is an increasingly blurred line between inspector satellites and SSA satellites. Finally, as the U.S. Government continues to turn to space as a service model, this makes the line between what is and what is not a military space capability amorphous.

This panel will discuss considerations for SSA operators and providers and what the current state is of policies and governance mechanisms, with the goal of providing clarity to both sides for how to allow this evolution to continue while also ensuring a stable, predictable space environment for all.

Day Two

The day begins with a keynote address by Jonathan Herman, Director of Starlink Constellation Engineering at SpaceX. Herman oversees the engineering teams responsible for guidance, navigation, and control (GNC), constellation design and operations, collision avoidance, and other systems that enable the operation of the Starlink constellation, including the Stargaze space situational awareness system.

The morning Policy Forum, "Where Does Basic SSA Service Begin and End?", will be moderated by Ian Christensen, Senior Director of Private Sector Programs at Secure World Foundation. Joining the panel are Chris Binz, Chief Architect of Mission Solutions at Umbra; Andrew D'Uva, Founder and Principal Advisor of Providence Access Co.; Audrey Schaffer, Senior Vice President of Global Policy and Government Strategy at Slingshot Aerospace; and Gabriel Swiney, Director of the Policy, Advocacy, and International Division at the Office of Space Commerce, U.S. Department of Commerce.

Government space safety systems are in the process of defining and operationalizing basic SSA and space safety services. Programs such as TraCSS and EU-SST have been working jointly to research and map alignment between offerings as the baseline services are defined. At the same time, a United Nations Expert Group is seeking to establish basic space traffic coordination principles at the international level; and a leading satellite operator has announced a system to provide free of charge certain public SSA services based on information collected through operations. Throughout all of these, a still-emerging commercial SSA industry is working to build out value-added services and products based on SSA information and analysis.

This discussion will center on the question of what is the basic minimum SSA information or service that should be provided as free or public good and the models for doing so, while at the same time enabling commercial or fee-based services to develop.

Day Three

Joining remotely from the Philippines, Dr. Gay Jane P. Perez will deliver the conference's final keynote address. Dr. Perez has helped advance the Philippines' space and remote sensing programs through her work in Earth observation research and national space initiatives.

The final Policy Forum, "Mind the Gap: Coordinating Launch, Tracking, and Re-entry," will be moderated by Alex Shi, Senior Program Analyst at Secure World Foundation. Panelists include Steph Earle, Space Policy and Outreach Branch Manager, Federal Aviation Administration's Office of Commercial Space Transportation; Adam Marsh, Vice President of Technical Solutions at LeoLabs; and Ruth Stilwell, Executive Director, Aerospace Policy Solutions, LLC.

As launch operations increase in tempo and become more routine occurrences, the need to address a number of operational challenges in the integration of SSA information into launch operations become more acute. These issues include addressing and reducing the “COLA gap;” clarifying the respective roles of satellite and launch operators in identification and tracking immediately after separation; improving SSA information related to re-entry of space objects

and launch vehicles; and addressing growing questions around the integration of launch activities into air traffic operations.

This panel will discuss current policy and operational efforts to address these issues and examine where progress has been made to date. It will also look at how best to improve integration of launch operations into national and international space traffic coordination systems.

In addition to keynote presentations and Policy Forum discussions, the conference will feature technical sessions, exhibits, poster presentations, networking events, and 12 technical short courses covering current challenges and innovations across the space sector.

Featured presentations include:

- **Evolution of SSA Capabilities to Support SDA and STM** presented by Brian Weeden, Director of Civil and Commercial Policy at The Aerospace Corporation
- **SDA's Tech Roadmap and the Space Domain Awareness Mission Areas** presented by Russell Teehan, Technical Director at the Space Development Agency
- **Strategic Orchestration of the S&T Enterprise: A Framework for Accelerating Technology into Capability** presented by Jeremy C. Andrews, Director of Science, Technology and Engineering at the Office of the Assistant Secretary of the Air Force for Space Acquisition and Integration
- **Forging United States Space Superiority: A Collaborative Framework Securing Space from vLEO Through Cislunar** presented by Colonel Max Yates, Chief of the Space Electro-Optics Division at AFRL/RDS, and Enrico Jeantete, Director of the Innovation and Prototyping Division at SSC/SYD
- **Commercial Space Updates** presented by Barbara Golf, Strategic Advisor for Space Domain Awareness with the Space Systems Command, U.S. Space Force

The conference will conclude with the AMOS Closing and Awards Ceremony, followed by a Pau Hana Reception where attendees can connect with colleagues and reflect on the week's discussions and achievements.

View the full program at https://amostech.com/agenda/

Presented by Maui Economic Development Board (MEDB), the AMOS Conference brings together the global space community through both in-person and virtual participation, with livestream access to all presentations. In-person registration sold out months in advance, reflecting continued demand for the conference's technical program and networking opportunities. Conference programming will also be available through the event's virtual platform and mobile app, providing attendees worldwide access to presentations, networking opportunities, and the exhibit hall experience.

The 2026 AMOS Conference is sponsored by: a.i. solutions, Advanced Scientific Concepts, Advanced Space, Aerospace Corporation, Amazon Leo, Amazon Leo for Government, Amentum, Anduril, Astro Haven Enterprises, Astroscale, ATIK Cameras, AV, BAE Systems, Blue Canyon

Technologies, CACI, Celestron, Ciena, COMSPOC, Diffraction Limited, EO Solutions, General Atomics Electromagnetic Systems, GMV, Green Optics, Hart Scientific Consulting International, Hawaii Technology Development Corporation, JHU Applied Physics Laboratory, Kayhan Space, KBR, Kratos, L3 Harris, LeoLabs, Līpoa - Maui's Innovation Community, Lockheed Martin, LSAS Tec, Mantis Space, Mitre Corporation, Nokomis, Northrop Grumman, Observable Space, Orion Space Solutions, Parsons, Peraton, Privateer, Raptor Dynamix, Rocket Lab, SAIC, Sea West Observatories, SEAKR, Sedaro, Slingshot Aerospace, SpaceFlux, SpaceMap, SpaceNav, Teledyne, Telesat Government Solutions, Terran Orbital, The Boeing Company, TOPTICA Photonics, True Anomaly, Trusted Space, Turion Space, Ultra - For All Mankind, and Voyager Technologies.

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PHOTOS:

Jonathan Herman, Director of Starlink Constellation Engineering at SpaceX

Dr. Gay Jane P. Perez, Director General, Philippine Space Agency

Four-star General to Keynote 2026 AMOS Conference

Kihei, Maui, Hawaii, July 8, 2026 – The Commander of U.S. Space Command, General Stephen N. Whiting, will keynote the 27th annual AMOS Conference to be held on Maui September 15-18. Presented by Maui Economic Development Board (MEDB), the AMOS Conference is the premier technical conference in the nation devoted to space situational/domain awareness.

As the Commander of U.S. Space Command, General Whiting is responsible for defending U.S. and Allied interests in the space domain while providing space-enabled combat effects to joint warfighters around the globe. He exercises combatant command authority over Soldiers, Marines, Sailors, Airmen, and Guardians operating ground and space-based systems around the world.

A 1989 distinguished graduate of the U.S. Air Force Academy with a degree in aeronautical engineering, General Whiting is a space operations officer and has commanded the 13th Space Warning Squadron; the 614th Air and Space Operations Center and Joint Space Operations Center; the 21st Space Wing; and the Combined Force Space Component Command and 14th Air Force. Read full bio

"We're honored to welcome General Whiting back to Maui in September," said Annette Lynch, Program Director Conference Services with MEDB. "He inspired the audience in 2018, and then again during our all-virtual AMOS in 2020, and it's especially meaningful to host him now as a four-star general."

Bringing together policymakers and experts from the private sector, academia, the military, and government agencies, the conference attracts papers and presentations from the world's foremost scientists and leaders working in SSA/SDA. The AMOS program features keynote speakers, policy forum topics, featured presentations, technical sessions, technical short courses and an exhibit venue.

AMOS Policy Forum

The AMOS Policy Forum is a series of paired keynotes and panel discussions that lead each of the three days of the conference and focus on specific policy topics relevant to the AMOS community. A collaboration with Secure World Foundation, the Policy Forum brings together the developers and implementers of SSA capabilities and the thought-leaders of SSA policy to discuss a landscape that is rapidly evolving.

The Day 1 keynote with General Whiting will be followed by a Policy Forum panel on "*Much Ado About Tracking: Navigating Dual-Use SSA.*" The technologies used for civilian SSA can also be used to monitor military satellites or space assets of adversarial nations. This is especially true for some of the new in-space SSA constellations. There is an increasingly blurred line between inspector satellites and SSA satellites and as the U.S. government continues to turn to space as a service model, this makes the line between what is/not a military space capability amorphous.

The panel will discuss considerations for SSA operators and providers and what the current state is of policies and governance mechanisms, with the goal of providing clarity to both sides for how to allow this evolution to continue while also ensuring a stable, predictable space environment for all.

On Day 2 of AMOS, Mike Nicolls, SVP, Starlink, SpaceX will deliver a keynote address before a panel discussion on *"Where Does Basic SSA Service Begin and End?"* Government space safety systems are in the process of defining and operationalizing basic SSA and space safety services. Programs such as TraCSS and EU-SST have been working jointly to research and map alignment between offerings as the baseline services are defined. At the same time, a United Nations Expert Group is seeking to establish basic space traffic coordination principles at the international level; and a leading satellite operator has announced a system to provide free of charge certain public SSA services based on information collected through operations. Throughout all of these, a still-emerging commercial SSA industry is working to build out value-added services and products based on SSA information and analysis.

This discussion will center on the question of what is the basic minimum SSA information or service that should be provided as free or public good and the models for doing so, while at the same time enabling commercial or fee-based services to develop.

The Policy Forum on Friday will focus on *"Mind the Gap: Coordinating Launch, Tracking, and Re-entry.*" As launch operations increase in tempo and become more routine occurrences, the need to address a number of operational challenges in the integration of SSA information into launch operations become more acute. These issues including addressing and reducing the "COLA gap;" clarifying the respective roles of satellite and launch operators in identification and tracking immediately after separation; improving SSA information related to re-entry of space objects and launch vehicles; and addressing growing questions around the integration of launch activities into air traffic operations.

This panel will discuss current policy and operational efforts to address these issues and examine where progress has been made to date. It will also look at how best to improve integration of launch operations into national and international space traffic coordination systems.

Featured Presentations

Featured presentations are sprinkled through the program including Brian Weeden, Director of Civil and Commercial Policy, The Aerospace Corporation; Colonel Russell Teehan, Portfolio Architect, Air Force Space and Missiles System Center; Jeremy Andrews, Director, Science, Technology, & Engineering, SAF/SQT; and Barbara Golf, U.S. Space Force, Strategic Advisor for SDA, Space Systems Command.

There will once again be a featured presentation by leaders of Air Force Research Laboratory (AFRL) and Space Systems Command (SSC) that will highlight the collaborative framework between the two organizations securing space from vLEO through to CisLunar.

The AMOS conference is hybrid with livestreaming of all oral presentations for those unable to travel to Maui. The high demand to attend led to the early closing of in-person registration and start of a waitlist. Virtual attendees have access to all presentations as well as online networking.

The AMOS Conference is preceded by the 9th Annual EMER-GEN® program, a professional development opportunity for young professionals and students enthusiastic about careers in space. A joint initiative with the Space Generation Advisory Council (SGAC) EMER-GEN puts the focus on fostering innovation and entrepreneurship. The program features mentoring sessions with renowned space specialists; networking; technical short courses; and interactive professional development sessions designed to enhance the young professionals' effectiveness in a global environment.
Learn more at https://amostech.com/

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PHOTO:

CAPTION: General Stephen N. Whiting, Commander, U.S. Space Command will give the opening Keynote for the 2026 AMOS Conference

Technical Program for 2026 AMOS Conference taking shape

Kihei, Maui, Hawaii, June 4, 2026 – The program for the 27th Annual AMOS Conference is taking shape with selections made for the technical aspect of the program. Presented by Maui Economic Development Board (MEDB), the premier technical conference in the nation devoted to space domain and situational awareness (SDA/SSA) will be held September 15-18 at the Wailea Beach Resort Marriott.

The continued evolution and advancements in field of space domain awareness is reflected in the number and content of the submissions – this year a record number of abstracts were received from 23 countries with over 250 selected to present their research in September. All submissions are subject to rigorous evaluation by a panel of reviewers for quality, innovation and relevance to the SDA community.

"With the high interest in presenting at AMOS each year, the hardest challenge is saying no to authors," explained Annette Lynch, MEDB Program Director, Conference Services. "Not everyone can get stage time, whether through an oral or in-person poster presentation, and so to present a greater body of work, we offer the option of pre-recorded virtual-only poster presentations."

Ten technical sessions cover topics related to SDA – Astrodynamics, Cislunar SDA, Conjunction/RPO, Machine Learning for SDA Applications, Satellite Characterization, SDA Systems & Instrumentation, Space-based Assets, Space Debris, Space Domain Awareness and Space Weather.

Posters will be displayed on digital touch screen monitors in the Exhibit and Poster Venue and available for all attendees to view on demand. A select number of presenters have been invited to give a 10-minute overview of their poster during one of the two poster sessions scheduled for Wednesday and Thursday of the conference.

A record forty-seven students have been accepted to present this year and are eligible for the 9th annual AMOS Student Award. The award is presented in collaboration with the American Astronautical Society, along with the Best Paper Award. Students are required to submit their research paper by August 14 to vie for the award which includes an honorarium, complimentary registration to the AMOS Conference and to EMER-GEN® (September 13-15), the program for young professionals enthusiastic about careers in space.

The AMOS Conference attracts a cross section of private sector, government, and academic participation participate in important dialogue and international collaboration. In addition to the technical sessions, the program includes keynote speakers, policy forum, special interest topics, exhibit venue, networking receptions and short courses.

Registration for the AMOS Conference is open with conference organizers expecting another sold-out conference. Virtual tickets are available and all registrants will have access to a virtual platform to enable networking and collaboration. A separate registration fee is required for each technical short course, and courses can be added to new or existing registrations.

The 9th Annual EMER-GEN program precedes the AMOS Conference fostering innovation and entrepreneurship amongst young professionals enthusiastic about careers in space. The program features challenges, tabletop exercise, professional development sessions and popular mentoring sessions with renowned space specialists. Registration for EMER-GEN is also open, with scholarships available for Hawaii-based participants.

Host of the AMOS Conference and EMER-GEN, Maui Economic Development Board (MEDB) is a 501(c)(3) not-for-profit corporation established in 1982 with a mission to diversify Maui County's economy, building pathways to innovation, jobs and opportunities for our residents. Through partnerships with the public and private sector, MEDB undertakes projects that assist growth industries with navigating and thriving in our county, educates and trains residents for new careers, and engages our community in forums that determine future economic directions.

Learn more at https://amostech.com/ and EMER-GEN at http://www.emer-gen.com.

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PHOTO

CAPTION: Barb Golf, U.S. Space Force presents at the 2025 AMOS Conference

Submissions sought for AMOS 2026 – Abstracts and Short Course Proposals

Kihei, Maui, Hawaii, January 13, 2026 – The 2026 AMOS Conference has launched its Call for Papers and is now accepting submissions for technical papers related to space domain awareness. All submissions are due March 2. The 27th annual AMOS Conference, presented by Maui Economic Development Board, is scheduled to take place September 15-18, 2026.

Recognized as the preeminent scientific conference in the field of space situational/domain awareness (SSA/SDA), the AMOS Conference is attended by over 1,000 scientists, engineers and space experts from around the globe and across industry, government, military, and academic sectors.

Featuring technical short courses and more than 150 presentations, the four-day event includes work in astrodynamics, cislunar SDA, satellite characterization, space weather, artificial intelligence and more. The conference also features high-level presentations and panel discussions by key stakeholders in space policy.

The annual conference is an in-person event with virtual attendance options. All presenters must be available to present in-person. To accommodate a greater technical body of work for the SSA/SDA community, select poster presentations are designated as pre-recorded virtual-only presentations.

The AMOS Technical Committee reviews all submissions from the annual Call for Papers and selects those that best meet the scientific and technical standards of the conference. Submissions are encouraged from international, undergraduate and graduate students pursuing a STEM degree at an accredited college or university. International and student participants receive a reduced conference fee.

Please visit https://amostech.com/cfp/ for all the details on submitting an abstract. Proposals for special sessions, such as panels and featured oral presentations are also considered.

Publication in the Journal of Astronautical Sciences
The AMOS Conference, in conjunction with the American Astronautical Society (AAS), is delighted to provide participating authors the opportunity to be published in a peer-reviewed journal. The Journal of the Astronautical Sciences is an archival publication devoted to the sciences and technology of astronautics. Invitations to be peer-reviewed and considered for publication in a special AMOS Conference issue of the Journal of Astronautical Sciences will be extended upon conclusion of the Conference. Learn more.

Awards
In collaboration with the Space Surveillance Committee of the American Astronautical Society (AAS), the AMOS Conference recognizes outstanding efforts in the field of Space Situational Awareness by presenting a series of awards at the close of the annual conference. Award criteria and details are available online at https://amostech.com/awards.

The Student Best Paper Award provides funding assistance in the form of a stipend. Once accepted into the conference, the deadline for submission of the completed manuscript is August 14.

Posters are also judged for design and creativity with awards given for Golden Ticket (Best Overall Poster), Most Creative (Top poster with the most ambitious goal and/or most unexpected methodology

to solve), Newcomer (Top poster by a person presenting at AMOS for the first time) and Best Poster Lightening Pitch. The last award is given to the best 30-sec pitch– an opportunity given to poster presenters to share their work on the main stage.

Short Course proposals
Proposals are also being solicited for half-day Short Courses. Short courses are schedule for in-person instruction on Tuesday, September 15, and for virtual instruction and participation on Monday, September 14.

The short courses offer opportunities for participants to acquire an introductory knowledge on conference topics and are always well attended. Focus topics of broad interest from excellent instructors are encouraged. Short courses are solicited from all technical areas within SSA/SDA subject areas.

The deadline for all submissions to be included in the 2026 AMOS Conference program is March 2. A full list of key dates as we countdown to September can be found at https://amostech.com/amos-speakers/

The AMOS Conference is presented by the Maui Economic Development Board, a 501(c)(3) not-for-profit corporation established in 1982 with a mission to diversify Maui County's economy, building pathways to innovation, jobs and opportunities for our residents. Through partnerships with the public and private sector, MEDB undertakes projects that assist growth industries with navigating and thriving in our county, educates and trains residents for new careers, and engages our community in forums that determine future economic directions.