

PLATINUM SPONSORS



10TH ANNUAL SPACE TRAFFIC MANAGEMENT CONFERENCE

INFLECTION POINTS OF CHANGE: CIVIL, COMMERCIAL, & SECURITY

Day 1: Tuesday, 27 February 2024

- 8:00 a.m. **Registration and Breakfast**
Bass Lecture Hall Lobby, LBJ School of Public Affairs
- 9:00 a.m. **Welcome**
John Schumacher, *President, International Academy of Astronautics*
- Moriba Jah, *Space Security, Safety, and Sustainability Lead, Strauss Center for International Security and Law; Associate Professor, Aerospace Engineering and Engineering Mechanics, The University of Texas at Austin*
- Danielle Wood, *Chairperson, IAA STM committee; Assistant Professor of Media Arts and Sciences; Assistant Professor (Joint) of Aeronautics and Astronautics, MIT Media Lab*
- 9:20 a.m. **Introduction**
Nate Dailey, *Space Engineering Principal Architect, MITRE*
- 9:25 a.m. **Keynote**
Diane Howard, *Director, Commercial Space Policy, National Space Council*
- 10:05 a.m. **Coffee Break — Sponsored by Kayhan Space**
- 10:30 a.m. **Featured Presentation: Contrasting the Inflection Points in Space Traffic Coordination and Management**
Daniel Oltrogge, *Chief Scientist and Director of the Center for Space Standards and Innovation, COMSPOC Corporation*
- 10:50 a.m. **Panel 1: Spaceport Issues and Challenges**
Moderator: Janet Tinoco, *Owner, Runways to Space LLC*
 Andrew Nelson
 Patrick McCarthy
 Charlie McGillis
- Spaceports are at an inflection point with many entities are seeking licenses while licensed spaceports are seeking operational fluidity. This panel will present current research in spaceport readiness and examine the challenges and issues facing spaceports today.*

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12:00 p.m.

Lunch — Sponsored by MITRE

Bass Lecture Hall Lobby

1:00 p.m.

Panel 2: Commercial Solutions for Space Situational Awareness

Moderator: Charlie McGillis, *VP of Public Sector, The Provenance Chain*

Óscar Rodríguez Fernández

Owen Marshall

Keiran McNally

Harvey Reed

Red Boumghar

Araz Feyzi

This panel will discuss and demonstrate novel and disruptive technologies to ensure space safety. Selected papers will take a look at some of the Space Situational Awareness solutions starting at data curation, to launch and conjunction assessment. We will also discuss potential solutions to maintain a balance between operating safety and protecting our dark and quiet skies.

2:15 p.m.

Coffee Break

2:40 p.m.

Presentation of Strauss Center's Aerospace Policy Award by Aerospace Policy Solutions, LLC

2:45 p.m.

Panel 3: Legal Perspectives in a Changing Environment

Moderator: Janna Lewis, *Senior Counsel, BAE Systems, Inc.*

Takeuchi Yu

George Anthony Long

Shannon Sylvie Abelson

Jacqueline Smith

Brittany Silvester

Examining how changes in risk, access, use of space and sustainability measures create pressure on the legal environment. Selected papers consider diversity in national regulation around the world, potential effects of deorbiting and debris mitigation on other environments, ISAM governance, and the intersection of STM and Human Spaceflight.

3:45 p.m.

Panel 4: Different Perspectives on Space National Security

Moderator: Dr. Nate Dailey, *Space Engineering Principal Architect, MITRE*

Michael Gleason

Ulpia Elena Botezatu

Alice Zhang

Victoria Sampson

Makena Young

Zhanna Malakis Smith

Exploring the role of commercial space assets and the intersection of space diplomacy with the security landscape. Selected papers will discuss different aspects for consideration applied to national security from the ground infrastructure to lunar resources.

5:00 p.m.

Networking Reception — Sponsored by NorthStar Earth & Space

Bass Lecture Hall Lobby

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Aerospace Policy Solutions, LLC

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space**

Day 2: Wednesday, 28 February 2024

- 8:30 a.m. **Registration and Breakfast**
Bass Lecture Hall Lobby
- 9:00 a.m. **Introduction**
Ruth Stilwell, *Aerospace Policy Solutions, LLC*
- 9:05 a.m. **Keynote**
Alina Nassar, *Partner, Nassar Abogados Centroamérica*
- 9:45 a.m. **Panel 5: The Global Nature of STM**
Moderator: Danielle Wood, *Assistant Professor of Media Arts and Sciences; Assistant Professor (Joint) of Aeronautics and Astronautics, MIT Media Lab*
Saloua Moutaoufik
Rosa Ma. Ramírez de Arellano y Haro
Diego Guerra
Doug Ligor
Thomas González Roberts
In the New Space Age, the international community is seeing more emerging space states. This panel will explore challenges, perspectives and solutions from an international perspective.
- 10:45 a.m. **Coffee Break — Sponsored by Aerospace Policy Solutions, LLC**
- 11:15 a.m. **Panel 6: Space Launch Air and Sea Integration**
Moderator: Andrew Nelson, *Vice President of Aerospace Group, RS&H*
Janet Tinoco
Rafael Muñoz Delmás
Imen Dhief
Tobias Rabus
Launches not only impact airspace, but maritime activity as well. This panel will present and discuss challenges and solutions when integrating space launch activity into air and sea domains.
- 12:15 p.m. **Lunch — Sponsored by IAA**
Bass Lecture Hall Lobby
- 1:00 p.m. **Panel 7: Precision and Accuracy in the Evolution of STM**
Moderator: Therese Jones, *Senior Policy Advisor, NASA*
Tory Smith
Frederic Pelletier
Carson Coursey
Nihal Simha
Panel will present current research in accuracy of breakup models, identity and tracking, orbital precision, mission planning, and tolerances from a technical and engineering perspective, necessary to inform the future of STM.

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2:15 p.m.

Coffee Break

2:45 p.m.

Fireside Chat: Evolving Policy and Regulatory Frameworks

Christine Joseph, *Office of Space Commerce, NOAA*

3:30 p.m.

Panel 8: Business Perspectives in a Changing Space Domain

Moderator: Patrick McCarthy, *Director of Spaceport Operations, Space Florida*

Janet Tinoco

Ruth Stilwell

Maruška Strah

Lee Steinke

Nana Gordon

Avinash Bagali

Incentives for sustainable behaviors in space are examined from the business perspective including the role of the space sustainability rating, incentives and disincentives and the role of industry in the absence of internationally adopted standards.

4:30 p.m.

Closing Remarks

Danielle Wood, *Chairperson, IAA STM committee; Assistant Professor of Media Arts and Sciences; Assistant Professor (Joint) of Aeronautics and Astronautics, MIT Media Lab*