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10<sup>TH</sup> 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, 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*  
*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.*
- 12:00 p.m.          **Lunch — Sponsored by MITRE**  
Bass Lecture Hall Lobby

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- 1:00 p.m. **Panel 2: Commercial Solutions for Space Situational Awareness**  
Moderator: Charlie McGillis, *VP of Public Sector, The Provenance Chain*  
*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.*  
*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*  
*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

## **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*  
*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.*

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- 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*  
*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*  
*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.*
- 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*  
*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*