

PLATINUM SPONSORS



11TH ANNUAL SPACE TRAFFIC MANAGEMENT CONFERENCE

STM: FROM THE GROUND UP AND BACK

Day 1: Tuesday, 4 March 2025

8:00 a.m. **Registration: Bass Lecture Hall Lobby**

9:00 a.m. **Welcome**

Dr. Moriba Jah, *Space Security, Safety, and Sustainability Lead, Strauss Center for International Security and Law, The University of Texas at Austin*

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

Keynote Speaker

Lee Steinke, *Chief Operating Officer, CisLunar Industries*

Panel 1: From the Ground Up: Sustainable Spaceport Infrastructure and Operations

Moderator: Janet Tinoco, *Founder, Runways to Space*

This panel will explore key challenges and solutions in space traffic management (STM) and spaceport launch and re-entry operations. Safety, efficiency, and effectiveness are common threads as the panel delves into topics that include pre-launch considerations, airspace integration, autonomous space vehicle operations and the human element, and the need for cost effective launch sites for a growing diverse set of users.

Panel 2: Strengthening Space Governance, Security, and Infrastructure for a Sustainable Future

Moderator: Charlie McGillis, *The Provenance Chain Network*

This panel will delve into critical topics shaping the future of the space domain, starting with a re-evaluation of roles and responsibilities among diverse space stakeholders to foster positive outcomes for commercial space operations. The panel will also explore the pressing need for guidelines on the sustainable use and recycling of critical minerals essential for the growing space economy. Finally, it will address vulnerabilities in space architectures, from supply chain risks to cybersecurity challenges. Together, these discussions aim to chart a path forward for a secure, resilient, and sustainable space environment.

12:15 - 1:15 p.m. **Lunch**

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Panel 3: Navigating Legal, Governance, and Sustainability Challenges in Modern Space Activities

Moderator: Janna Lewis, *Senior Vice President of Policy & General Counsel, Astroscale U.S., Inc.* (Invited)

This panel will address the evolving complexities of space activities and the legal, regulatory, and governance frameworks required to ensure sustainability and equitable access. Discussions will include the role of arbitration in resolving disputes in the commercial space sector, as well as a focus on the EU Space Surveillance and Tracking (EU SST) program. Together, these discussions aim to align legal frameworks, governance strategies, and sustainability efforts with the realities of modern space activities.

Presentation of Aerospace Policy Solutions Award, Ruth Stilwell

Panel 4: Innovations in Space Object Tracking, Risk Mitigation, and Collision Avoidance

Moderator: Therese Jones, *Senior Policy Advisor, NASA* (Invited)

This panel will examine critical challenges in space operations, from improving catalog accuracy and data reconciliation to advancing active debris removal (ADR) strategies. This panel will highlight innovative approaches to enhance space safety and operational efficiency.

Panel 5: STM in the Economic & Public Interest: Engaging the Broader Stakeholder Ecosystem

Moderator: Ruth Stilwell, *Founder, Aerospace Policy Solutions, LLC*

This panel will explore the intersection of innovation, policy, and public engagement in fostering a sustainable and secure space environment. Discussions will include the economic impact of the SSA sector, along with operational guidelines to support the growing number of countries relying on space applications. The panel will also highlight efforts to bridge knowledge gaps and public perception in building a societal understanding of space sustainability issues.

5:00 - 6:30 p.m. **Networking Reception**

Day 2: Wednesday, 5 March 2025

8:30 a.m. **Registration: Bass Lecture Hall Lobby**

9:00 a.m. **Keynote Speaker**

Pascal Faucher, *Chairman, EU Space Surveillance and Tracking*

Panel 6: Orbital Sustainability in a Competitive Space Environment

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

This panel examines frameworks and tools to promote sustainability and governance in Earth's orbits. Topics include defining key factors for LEO sustainability, lessons from a space company's adoption of best practices, and strategies for establishing an international organization for space traffic management. The discussion will also introduce novel methodologies, and offer practical solutions for sustainable orbital management in a competitive space era.

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Special Session with Diane Howard: Due Regard at the Intersection Between SSA & SDA

Moderator: Theresa Hitchens, *Space Reporter, Breaking Defense*

This expert panel will provide historic context and examine the complex legal and policy issues implicated by the use of the concept of due regard to manage interactions between the commercial, security, and civil space sectors.

12:00 - 1:00 p.m.

Lunch: Bass Lecture Hall Lobby

Panel 7: And Back: Managing Risks in Reentry & Post Mission Disposal

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

This panel will explore how risks from reentering space debris are managed, highlighting uncontrolled reentries and aviation safety needs. The discussion will showcase essential data mechanisms and the need for collaboration between the SSA and aviation communities. Additionally, the panel will examine compliance with post-mission disposal standards and the impact of non-compliance on future orbital sustainability.

Fireside Chat with Office of Space Commerce

Dmitry Poisik, *TraCSS Program Manager, NOAA*

Closing Reflections

Mark Skinner, *Senior Project Leader for STM, The Aerospace Corporation & TBD*

4:00 p.m.

Closing Remarks

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