



WITH SUPPORT FROM:



Aerospace Policy Solutions, LLC

**Achieving Space Environmentalism and Sustainability by Creating a Circular Space Economy**  
**9<sup>th</sup> Annual Space Traffic Management Conference**  
**Bass Lecture Hall, LBJ School of Public Affairs**  
**The University of Texas at Austin**  
**1-2 March 2023**

**1 March**

8:00-9:00 am	Registration and Breakfast: Bass Lecture Hall Lobby
9:00-9:15 am	Welcome: <b>Moriba Jah</b> , <i>Space Security, Safety, and Sustainability Lead, Strauss Center for International Security and Law, The University of Texas at Austin</i> , and <b>John Schumacher</b> , <i>President, International Academy of Astronautics</i>
9:15-9:20 am	Introduction by <b>William Woods</b> , <i>Lead Scientist, NorthStar Earth and Space</i>
9:20-10:15 am	Keynote: <b>Dr. Richard DalBello</b> , <i>Director, Office of Space Commerce, National Oceanic and Atmospheric Administration, U.S. Department of Commerce</i>
10:15-10:30 am	Speaker 1: Harvey Reed "Socio-Technical Enablers for a Circular Space Economy"
10:30-10:45 am	Speaker 2: Sophia Gustely and Adriana Ordonez "Space in the Emerging Economies of Latin America; An Investigation Through the Lens of a Macro-Environmental Framework"
10:45-11:00 am	Break
11:00-12:00 pm	Panel 1: Space Reusability – Moderator: Ruth Stilwell, <i>Executive Director, Aerospace Policy Solutions</i> <ul style="list-style-type: none"><li>• Jacob Bouchard</li><li>• Ana Carrasco</li><li>• Phillip Cunio</li></ul>
12:00-12:55 pm	Lunch: Bass Lecture Hall Lobby <i>Sponsored by NorthStar Earth and Space</i>
12:55-1:00 pm	IAA certificate presentation to new members
1:00-1:15 pm	Speaker 3: Andrea Muciaccia "Space environment investigation using a space debris index"
1:15-1:30 pm	Speaker 4: Romain Lucken "Merging sets of conjunction warnings coming from independent trusted sources"
1:30-2:30 pm	Panel 2: Space Sustainability (1) – Moderator: Therese Jones, <i>Senior Director of Policy, Satellite Industry Association</i> <ul style="list-style-type: none"><li>• Shannon Sylvie Abelson</li><li>• Dan Hawk</li><li>• LaQuila Alonzo and Janet Tinoco</li></ul>

2:30-2:45 pm	Break
2:45-3:45 pm	Panel 3: Space Sustainability (2) – Moderator: Rebeca Griego, <i>Astroscale</i> <ul style="list-style-type: none"> <li>• Nathaniel Dailey</li> <li>• Ruth Stillwell</li> <li>• Douglas Hendrix</li> </ul>
3:45-5:15 pm	Networking Reception: Bass Lecture Hall Lobby <i>Sponsored by Aerospace Policy Solutions and Slingshot Aerospace</i>

## 2 March

8:30-9:00 am	Breakfast: Bass Lecture Hall Lobby
9:00-9:05 am	Introduction by Charlie McGillis, <i>SVP of Government Relations &amp; Strategy, Slingshot Aerospace</i>
9:05-10:00 am	Keynote: <b>Mark Baird</b> , <i>President, Virgin Orbit National Systems</i>
10:00-10:15 am	Speaker 5: Allan Shtofenmakher “Feasibility Analysis of On-Orbit Debris Detection Using Commercial Star Trackers”
10:15-10:30 am	Speaker 6: Allan Kardec de Almeida Junior “Satellite Characterization Using TFC and Machine Learning”
10:30-10:45 am	Break
10:45-11:45 am	Panel 4: AI for Space – Moderator: Moriba Jah <ul style="list-style-type: none"> <li>• Benjamin Fueva-Miller</li> <li>• Andrew Garza</li> <li>• Haley Solera</li> <li>• Thomas Roberts</li> </ul>
11:45-12:00 pm	Speaker 7: Grant Cates, Green and Circular Space Systems Through Environmental Lifecycle Assessment”
12:00-1:00 pm	Lunch: Bass Lecture Hall Lobby <i>Sponsored by Privateer</i>
1:00-2:00 pm	Panel 5: Nuanced Solutions – Moderator: TBD <ul style="list-style-type: none"> <li>• Pietro De Marchi</li> <li>• Ralph Dinsley</li> <li>• Emma Loudon</li> <li>• Scott Dorrington</li> </ul>
2:00-2:15 pm	Break
2:15-2:30 pm	<b>Speaker 8:</b> Dan Jang “MOCAT-SSEM: A Source-Sink Evolutionary Model for Space Debris Environment Evolutionary Modeling”
2:30-3:30 pm	Panel 6: Security – Moderator: Charlie McGillis <ul style="list-style-type: none"> <li>• Kaitlyn Johnson</li> <li>• Nathaniel Dailey</li> </ul>
3:30 pm	Closing Comments: Moriba Jah