



NSS ISDC Policy Track

Regency A

"Creating a Policy Framework that Will Enable Communities Beyond Earth"

Organized by Beyond Earth Institute

May 27, 2022

Program as of May 15, 2022

Opening Remarks: Creating A Policy Framework that Will Enable Communities Beyond Earth

10:00 – 10:10 AM

Steven Wolfe, President & Co-Founder, Beyond Earth Institute

Panel 1: Policy Challenges of Commercial Space Habitats

10:10 – 11:05 AM

With the planned decommissioning of the International Space Station by the end of the decade, it is crucial that the space policy community works to ensure continuity of critical LEO microgravity research. A governing regime for commercial space habitats that instills confidence in customers and investors will be critically important to the success of this new sector. This panel seeks to address some of the many questions and challenges associated with building a thorough and robust commercial space habitat policy framework.

Speakers

- Moderator, Courtney Stadd, President, Capitol Alliance Solutions
- Mary Lynne Dittmar, Executive Vice President, Axiom Space
- Dennis Stone, Commercial Space Executive, NASA
- Michelle Hanlon, Co-Director, Air & Space Law Program at U Miss School of Law

Panel 2: Property Rights in Space

11:05 AM – 12:00 PM

As space resource utilization becomes more feasible, the question of property rights in space is becoming increasingly important. Unilateral government policies to define access and use of space resources (in the U.S. and Luxembourg, specifically), are a starting point, but a new international regime needs to be redefined so that permanent occupation and utilization can occur within a common policy framework. This panel aims to discuss potential policies that can ensure the equitable utilization of outer space without unduly impeding private enterprise.

Speakers:

- Moderator: Sean Hadley, COO, Beyond Earth Institute
- Bob Brumley, CEO at Laser Light Companies
- Laura Montgomery, Prof of space law, Catholic University's Columbus School of Law
- Paul Stimers, Partner at K&L Gates

LUNCH

12:00 – 2:00 PM

Panel 3: Space Solar Power National Strategy

2:00 – 2:50 PM

The necessity to develop cleaner, more sustainable methods of energy production has never been so great. As such, in the quest for clean energy space solar power is should be considered a viable alternative source. To ensure space-based solar power is properly researched and adequately developed, a national and international space solar power strategy should be adopted. A strong policy commitment to space solar power could ensure the future of clean energy and greatly contribute to the reduction of greenhouse gas emissions. This panel will explore the critical issues policy path for space solar power adoption.

Speakers:

- Moderator: John Mankins, Founder & President, Mankins Space Technologies
- Peter Garretson, Independent Strategy Consultant
- Karen Jones, Senior Project Leader, Ctr for Space Policy & Strategy, The Aerospace Corp.
- Aaron Oesterle, DC Representative, Space Frontier Foundation

Alliance for Space Development Legislative Update

2:50 – 3:00 PM

- Al Globus, Board of Directors, National Space Society

Panel 4: Cislunar Economy Enabling Policy

3:00 – 3:50 PM

The U.S., European Union, and China are executing plans to extend human activity to the lunar surface and its environs. The U.S. has its Artemis program that includes a permanent Basecamp, Europe has plans for Moon Village and experts expect that China will land their taikonauts on the Moon as soon as 2030. All of this imminent activity will extend human economic activity to encompass both the Earth and the Moon, or cislunar. This panel will explore what this activity will mean for the global economy in both the short and the long term.

Speakers:

- Moderator: Arnie Christiansen, Sr. Director, Capture, Inmarsat Government
- Chris Hearsey, Space Liaison Officer, Space Hero
- Tyler Bender, Program Analyst, A3 Technology
- Tom Marotta, Founder and CEO, The Spaceport Company

Panel 5: Financing the Construction of Human Communities Beyond Earth

4:00 – 4:50 PM

One of the biggest challenges facing the prospect of large-scale human habitation in space, beyond the technology and political will, is the formulation of an appropriate financing mechanism to support the \$100 Billion plus investment necessary for even a modest human community in space. This panel of experts has given this question a great deal of thought and will provide insight into how space development and habitation can be financed.

Speakers:

- Moderator: Matt Harris, Lead, Space Focus Area, Avantis Federal
- Michael Castle Miller, Chief Executive Officer, Politas Consulting
- Michael Mealling, General Partner, Starbridge Venture Capital
- Nathan Whigham, President, EN Capital

Wrap up and Adjourn

4:50 – 5:00 PM