

SPACE POLICY SYMPOSIUM

@Purdue

Purdue Memorial Union | North Ballroom

OCT 30

DAY 1

08:00 – 09:00 Registration + Continental Breakfast

09:00 – 09:25 **Welcome and Opening Remarks**



Stacey Connaughton
Director
The Purdue Policy Research Institute



Dan DeLaurentis
Vice President
Discovery Park District Centers and Institutes

09:25 – 09:45 **OPENING KEYNOTE** | Charting the Future of Space: *Ensuring Security, Stability, and Prosperity through Innovation and Policy*



Travis Langster
Deputy Assistant Secretary of Defense for International & Industry Engagement
US Department of Defense

STRATEGIC MESSAGING ON CAPABILITIES

09:45 – 10:05



KEYNOTE
Dan Dumbacher
CEO (Ret.)
American Institute of Aeronautics and Astronautics



Purdue Policy Research Institute



10:05 – 11:30

PANEL

--- Moderator ---

Michael SullivanPolicy and Strategy Analyst
National Reconnaissance Office

--- Panelists ---

Rob ChambersFuture Concepts Director
Human and Scientific Space Exploration, Lockheed Martin**Dan Dumbacher**CEO (Ret.)
American Institute of Aeronautics and Astronautics**Daniel Leeb**Mission Director and CEO
Iceland Space Agency**Bruce McClintock**Lead and Senior Policy Researcher
RAND Space Enterprise Initiative

11:30 – 11:45

BREAK

11:45 – 12:15

Case Competition Students: Intros and Networking

12:15 – 13:30

Lunch + Conversation | Space Exploration and Research: *Inspiring Future Generations*

--- Moderator ---

Stacey Connaughton

Director

Purdue Policy Research Institute

--- Guest Speakers ---

Michelle Giuda

CEO

Krach Institute for Tech Diplomacy at Purdue**Daniel Leeb**

Mission Director and CEO

Iceland Space Agency**Mark Lewis**

CEO

Purdue Applied Research Institute

ENGAGING WITH OUR ALLIES

13:30 – 13:50

KEYNOTE**Travis Langster**

Deputy Assistant Secretary of Defense for International & Industry Engagement

US Department of Defense

13:50 – 15:00

PANEL

--- Moderator ---

Michelle Giuda

CEO

Krach Institute for Tech Diplomacy at Purdue

--- Panelists ---

Deanna Ryals

Director of International Affairs

US Space Force: Space Systems Command

--- Panelists continued ---



Scotty Van Sant

President, VS Consulting

Fmr Space Engagement Lead, US Strategic Command

International Engagement Lead, US Strategic Command



Air Cdre Darren Whiteley

Deputy Director of Strategy, Plans, and Policy

USSPACECOM



Darrin Stewart

Director

Office of Space Partnerships, Office of the Under Secretary of Defense for Policy,
Department of Defense

15:00 – 15:15

BREAK

GOVERNMENT + INDUSTRY RELATIONSHIP

15:15 – 15:35



KEYNOTE

Mark Lewis

CEO

Purdue Applied Research Institute

15:35 – 17:00

PANEL

--- Moderator ---

Mark Lewis, CEO, Purdue Applied Research Institute

--- Panelists ---



Joseph Jewell

John Bogdanoff Associate Professor

Aeronautics and Astronautics, Purdue University



ML Mackey

CEO

Beacon Interactive Systems



--- Panelists continued ---

Kelli Kedis Ogborn virtual

Vice President – Space Commerce & Entrepreneurship
Space Foundation



Col Richard Kniseley

Senior Materiel Leader

Commercial Space Office (COMSO) Space Systems Command, US Space Force

17:00 – 17:15

Closing Remarks



Brig Gen Kristin Panzenhagen

Commander

Space Launch Delta 45, United States Space Force

17:15 – 19:00

Reception + Dinner

EAST + WEST FACULTY LOUNGES

relaxed reception and dinner to unwind and continue conversations

OCT 31

DAY 2

08:00 – 09:00

Registration + Continental Breakfast

09:00 – 09:25

Welcome + Day 1 Recap



Stacey Connaughton

Director

Purdue Policy Research Institute



Karen Plaut

Executive Vice President for Research

Purdue University



The Honorable Jim Baird

United States Congressman (R-IN, O4)



Purdue Policy Research Institute



09:25 – 09:45

KEYNOTE | Policy as a Catalyst: Driving Rapid Capability Delivery through SDA's Disruptive Innovation



Paula Trimble

Policy Chief

Space Development Agency, Department of Defense

09:45 – 10:00

MOVE TO SESSIONS

10:00 – 12:00

Concurrent Workshops

- | | |
|---------------------------------------|--------------------|
| ▪ Government + Industry Relationship | PMU NORTH BALLROOM |
| ▪ Strategic Messaging on Capabilities | STEWART CENTER 214 |
| ▪ Engaging with Our Allies | STEWART CENTER 218 |

--- Attending Congressional Staffers ---

Brent Blevins, Staff Director, *House Science, Space and Technology Committee Space and Aeronautics Subcommittee (Jan. 2023-)*

Kelsey McBarron, Professional Staff and Counsel
Subcommittee on Space and Aeronautics

Vishal Amin, Senior Professional Staff, *Space & Aeronautics*

Charlie Scales, Policy Assistant, *Committee on Science, Space & Technology*

12:00 – 12:15

BREAK



12:15 – 13:30

Fireside Chat + Lunch | Future Workforce in the Space Community

--- Featuring ---

General David D. Thompson
US Space Force (Ret.)



--- Interviewer ---

Stacey Connaughton
 Director
Purdue Policy Research Institute

13:30 – 14:00

Workshop reports, next steps

14:00 – 14:10

Closing Remarks

Brig Gen Kristin Panzenhagen

Commander
Space Launch Delta 45, United States Space Force

STUDENT CASE COMPETITION

14:30 – 14:40

Case Competition Reintroduction

NORTH BALLROOM

14:40 – 15:40

Student Teams Presentations

NORTH BALLROOM

15:40 – 16:30

BREAK

16:30 – 17:30

Awards + Reception (Winner announced at 4:45)

NORTH BALLROOM



ABSTRACTS

STRATEGIC MESSAGING ON CAPABILITIES

The resurgence of global interest in space exploration has amplified the significance of strategic messaging on space capabilities. National governments, private companies, and international organizations are advancing their roles in space through technological innovation, scientific discovery, and economic ventures. Clear communication of these capabilities is crucial for shaping global perception, fostering public trust, and promoting international collaboration. Effective messaging can influence space policy, mitigate security risks, and balance transparency with the protection of sensitive information. Additionally, it plays a vital role in establishing shared norms and legal frameworks that guide peaceful exploration and prevent militarization of space. As space exploration enters a new era, the ability to strategically communicate capabilities and intentions will determine leadership in the global space community and ensure that space remains a domain of opportunity and cooperation.

ENGAGING WITH OUR ALLIES

The growing importance of collaboration between the U.S. and its allies in the increasingly competitive space domain. As satellite technology advances and more nations enter the space race, the U.S. Space Force (USSF) must strengthen information sharing, joint threat assessment, and capacity building to maintain its strategic advantage. Key recommendations include improving data-sharing agreements, reducing classification barriers, and establishing joint intelligence centers for better coordination with allies. Emerging threats like anti-satellite weapons and cyberattacks also need to be addressed, unified approaches to detection and response are necessary for these threats. To boost allied capabilities, joint training, technology transfer, and infrastructure support is crucial. The importance of updating policies to support international cooperation, improve cybersecurity, and enhance data interoperability is paramount. Ultimately, the USSF advocates for ongoing global dialogue and new treaties to ensure a secure and sustainable future in space for all nations.

GOVERNMENT + INDUSTRY RELATIONSHIP

Throughout history, there has been an evolving relationship between government entities and private industry in space exploration, highlighting the shift from state-dominated endeavors to a collaborative model involving public-private partnerships (PPPs). Exploring the critical elements of this relationship, such as funding, infrastructure, intellectual property rights, and regulatory frameworks there is a clear emphasis on how PPPs enhance innovation and efficiency while addressing issues like resource allocation, cybersecurity, and policy alignment. The dynamics between key players like NASA, SpaceX, and Blue Origin demonstrate how government agencies leverage private sector advancements to achieve long-term goals, such as lunar commercialization and sustainable space missions while addressing the potential economic benefits of space resource commercialization and the security challenges associated with militarization and cyber threats. Clear policies and aligned interests are essential for fostering innovation and achieving significant milestones in space exploration, such as Mars missions and lunar mining. The proposed framework ensures a balanced, sustainable, and strategic approach to international space exploration.

