

# Space Policy Institute

THE GEORGE WASHINGTON UNIVERSITY

## Spring/Summer 2018 Newsletter

### Recent Events

This year has been highlighted by a number of important symposia and events that the Space Policy Institute has sponsored. In early February, with the Mansfield Foundation's U.S.-Japan Space Forum, we hosted a colloquium, "Space in the Abe-Trump Era: New Threats, New Actors." This was a very well attended public event that explored the evolving political environment and the strong U.S. relationship in space affairs with Japan.

Also in February SPI hosted a panel and book signing that highlighted a recently published book by Mariel Borowitz, a graduate of our program and now an assistant professor at the Sam Nunn School of International Affairs, Georgia Institute of Technology. The book, "Open Space: The Global Effort for Open Access to Environmental Satellite Data," provided the stimulus for a panel discussion.

At the end of March SPI co-sponsored with the Universities Space Research Association (USRA), a public symposium, "Return to the Moon: A



Professor Hertzfeld with Apollo 17 Astronaut Harrison Schmitt at USRA Symposium

Partnership of Government, Academia and Industry." This symposium included remarks by then NASA Acting Administrator Robert Lightfoot, ESA Head of Human and Robotic Exploration David Parker, and Apollo 17 Astronaut and former U.S. Senator Harrison Schmitt. Two panels of

experts then discussed the optimistic future of both scientific and industry partnerships for exploration of the Moon. This very well attended symposium was televised by C-Span and received extensive media coverage.

In July we co-hosted a symposium with the Aerospace Corporation on "International Space Collaboration for Security" that emphasized the importance of both military and economic security and sustainability of outer space.

### Faculty and Staff News

**Professor Emeritus John Logsdon** had a busy spring putting final touches on his two forthcoming books. His edited collection, "The Penguin Book of Outer Space Exploration," with a foreword by "science guy" Bill Nye, will be published in September 2018. It contains many primary documents that chronicle the history of U.S. human spaceflight, along with a connecting narrative text. Dr. Logsdon also completed the manuscript for "Ronald Reagan and the Space Frontier," the third in his series of in-depth studies of the decisions by U.S. presidents that have shaped the civilian space program. Palgrave Macmillan will publish the book in late 2018 or early 2019. Dr. Logsdon in the past few months also spoke at the Space Center in Houston, Texas and at Stanford University in Palo Alto, California. He was interviewed by French and U.S. documentary filmmakers as well as being quoted in numerous newspaper articles. More information can be found at, <http://www.johnmlogsdon.com>.

**Professor Pascale Ehrenfreund** is on leave, serving as Chairman of the Board of the German Aerospace Centre (DLR) Executive Board. She continues to travel extensively and participate in SPI events when in Washington, D.C.

# Space Policy Institute

THE GEORGE WASHINGTON UNIVERSITY

In her function as Chair of the COSPAR Panel on Exploration PEX she organized a session and an international panel on “International Coordination of Space Exploration Activities” at the 42nd COSPAR Scientific Assembly in Pasadena in July 2018. The proposed COSPAR session fosters the dialogue with international space organizations to explore pathways for improving coordination of space exploration activities and balancing the space stakeholder interests.

In her function as IAF Vice-President for Communications, Publications and Global Conferences she has contributed to the success of the Global Space Applications Conference (GLAC 2018) that was held in Montevideo, Uruguay in May. GLAC 2018 was organized in the framework of the Global Conferences-Series of the International Astronautical Federation (IAF).

Pascale Ehrenfreund attended The Humans to Mars Summit 2018, hosted by the George Washington University, and participated in the panel: “Critical Mars Science: An International Collaboration”.

In May 2018 Pascale Ehrenfreund lectured in the Astrobiology Course of the International Space University, where she also serves as Vice Chancellor. In 2018 she published several peer-reviewed papers in the journals “Astronomy and Astrophysics” and “Frontiers”.

**Adjunct Professor Peter Hays** has continued this year to contribute to the U.S. space policy dialogue. He has presented a number of talks on space affairs including a presentation in January, “Exploring the Place of Space in U.S. Views of Future Conflict” at the Center for Global Security Research, Lawrence Livermore National Laboratory. In February he gave a talk on space policy at the Japanese Ministry of Defense Executive Program, Center for Strategic and International Studies, and a talk titled “Major Policy Issues in Evolving Global Space Operations,” to the Joint Space Team.

He also supported Air Force Secretary Wilson and Dr. Stopher for their Aligning Space Strategic Messaging effort and in multiple other engagements during the Space Symposium in Colorado Springs held in April.

## Student News

We are very proud of our students and their accomplishments. Besides students represent SPI at major conferences and symposia including the IAC last year in Adelaide, Australia, our students have been actively writing and delivering papers at meetings and successfully working at major aerospace companies and government agencies.

At graduation in May six of our space policy students, along with the other graduating M.A. students in the International Science and Technology Program received their degrees.



The space policy graduates this spring were: Chris Beauregard, Ben Sproule, Evan Linck, Josh Wolny, Tara Halt, and Trent Schindler. We look forward to their future success.

Finally, one special award and our congratulations go to Drew Garza. He was named a 2018 Tillman Scholar, which is a very competitive veteran's scholarship in honor of former NFL player/Army Ranger Pat Tillman.

# Space Policy Institute

THE GEORGE WASHINGTON UNIVERSITY

## Message From the Director



This past semester was marked by a number of events and interesting developments. First, in addition to the space law course that I have been teaching for the past 14 years, I initiated a new course in space economics. It is focused on students having hands-on experience by combining class lectures with working on a team project to collect data, use economic theory in combination with business planning, and test the results with experts from space companies building and operating space hardware. Students gained a realization of how difficult this actually is. They were also treated to a tour of Orbital ATK's facilities and observed the assembly of new servicing satellites.

I attended the World Government Forum in Dubai, UAE in February and participated on a panel dedicated to space topics.

In March our Moot Court team, Juliette Malette and Christina Lamoreaux, (both are second year law students at GW) did extremely well in the North American competition, placing second among the 17 schools participating this year. Christina received the award for the best oral presentation.

In June I was a participant in a conference at the Bocconi School of Management in Milan, Italy focusing on their new space economics program. And, later in June, I was a member of the U.S. Delegation to UNISPACE+50 and the following UNCOPUOS plenary session in Vienna, Austria. Those meetings were interesting but unfortunately developments reflecting world politics created roadblocks to the resolution of both procedural matters and also to a number of additional guidelines for LTS (long-term sustainability) of space being approved.

Many newspapers and other news media continue to frequently quote our faculty, both domestically and internationally. Of particular mention is a session I did for an American Bar Association podcast on national security and space law topics (<https://soundcloud.com/nsltoday/securitys-final-frontier-with-henry-hertzfeld>). In addition, I also participated in an NPR program on space events.

Finally, I am pleased and proud that our students and graduates have had internships and jobs with government agencies and companies including NASA here in Washington, ULA, Aerospace Corp., IDA/STPI, ICAO in Montreal, and ESPI in Vienna.

## Supporters

Our efforts would not be possible without the generosity of our sponsors. We sincerely appreciate the continued support of the following partners:

Aerojet Rocketdyne  
Aerospace Corporation  
Ball Aerospace  
Boeing Corporation  
Harris Corporations  
Jacobs Engineering  
Lockheed Martin Corporation  
Mitsubishi Corporation  
Raytheon Corporation  
United Launch Alliance  
Universities Space Research Association

## Contact Us

**The Space Policy Institute**  
1957 E St NW, Suite 403  
Washington, D.C. 20052

[spi@gwu.edu](mailto:spi@gwu.edu)  
(202) 994-1592  
<https://spi.elliott.gwu.edu/>