

*The National Academies of*  
**SCIENCES • ENGINEERING • MEDICINE**

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES  
AERONAUTICS AND SPACE ENGINEERING BOARD

**SPACE TECHNOLOGY INDUSTRY-GOVERNMENT-UNIVERSITY ROUNDTABLE**

**National Academy of Sciences Building, Lecture Room  
2101 Constitution Ave NW, Washington, D.C.  
(enter at southwest corner of C Street and 21st St, NW)**

**AGENDA**

**Friday, March 9, 2018**

7:30am	<b>Room opens</b> (breakfast available in meeting room)
8:30am	<b>Meeting convenes</b> <b>Welcome</b> <ul style="list-style-type: none"><li>• Wanda Sigur, STIGUR Chair</li><li>• Steve Jurczyk, NASA Associate Administrator (Acting)</li></ul>
8:45am	<b>NASA Space Technology Update: NASA's FY 2019 Budget Request; Agency's New Exploration Direction and its Impact on Space Technology activities; and an update on STMD's Strategic Framework.</b> <ul style="list-style-type: none"><li>• Steve Jurczyk, NASA Associate Administrator (Acting)</li><li>• Jim Reuter, Space Technology Mission Directorate (STMD) Associate Administrator (Acting)</li><li>• Jay Falker, STMD Deputy Director for Strategic Planning and Integration</li></ul> <b>Key Questions for Roundtable:</b> Regarding the FY 2019 budget request; the Agency's new exploration direction; and STMD's strategic framework: <ul style="list-style-type: none"><li>• Will potential changes enable NASA to achieve its strategic objectives more efficiently and/or with lower cost? Why or why not?</li><li>• What other space technology areas or capabilities should NASA focus to support the new exploration direction?</li><li>• Are STMD's near-term (3-5 yr.) concrete accomplishments clear? How might they be improved?</li><li>• How should STMD adjust its interactions with external partners and customers to support revised areas of interest?</li></ul>
10:15am	<b>Break</b>
10:30am	<b>Previous Discussion Continues</b>
Noon	<b>Lunch</b>

12:45pm	<b>Commercial Partnerships and Industrialization of Space: Panel Discussion</b> Introduction by Carissa Christensen, Roundtable Member Opening remarks by panelists: 15-20 minutes each <ul style="list-style-type: none"><li>• Axiom Space, Mike Suffredini</li><li>• Made in Space, Andrew Rush</li><li>• Planetary Resources, Chris Lewicki</li><li>• Tethers Unlimited, Rob Hoyt</li><li>• NanoRacks, Rich Pournelle</li></ul>
	<b>Key Questions for Panelists and Roundtable Members:</b> <ul style="list-style-type: none"><li>• What objectives could commercial space endeavors achieve in the next 10 to 15 years?</li><li>• How can NASA in general and STMD in particular support commercial partnerships and the industrialization of space?</li><li>• Is NASA investing in the right types of space technologies?</li><li>• What are the best mechanisms for forming public-private partnerships in the area of technology development?</li><li>• What are the key milestones for commercialization in the next 5 years? What are the appropriate roles for STMD?</li></ul>
2:30pm	<b>Break</b>
3:00pm	<b>Previous Discussion Continues: Discussions with Panelists</b>
4:15pm	Technologies investments for Lunar Exploration: Overview and Issues to Explore at the Fall Meeting <ul style="list-style-type: none"><li>• Steve Jurczyk, NASA Associate Administrator (Acting)</li><li>• Wanda Sigur, STIGUR Chair</li></ul>
	<b>Key Question for Roundtable:</b> <ul style="list-style-type: none"><li>• What issues related exploration and lunar missions should be addressed at the next Roundtable meeting? Possibilities include:<ul style="list-style-type: none"><li>— Is the alignment between STMD's existing/new programs and NASA's revised focused areas clear? How can the alignment be improved?</li><li>— Has NASA adequately defined how it can capitalize on the advantages of lunar orbit? Lunar landing?</li><li>— What role will public-private partnerships play in Lunar exploration and technology development?</li><li>— Are there other STMD objectives associated with a sustained lunar presence that will enable future exploration?</li></ul></li></ul>
4:45pm	<b>Wrap-up, Including Additional Topics For Next Meeting</b>
5:00pm	Adjourn

**Space Technology Industry-Government-University Roundtable**  
**STATEMENT OF TASK**

The Space Technology-Industry-Government-University Roundtable of the National Academies of Sciences, Engineering, and Medicine convenes senior-most representatives from industry, universities, NASA, and other government agencies to define and explore critical issues related to NASA's space technology research agenda that are of shared interest; to frame systems-level research issues; and to explore options for public-private partnerships. This forum is designed to facilitate candid dialogue among attendees to foster greater partnership among the NASA-related space technology community, and, where appropriate, carry awareness of consequences to the wider public.