

The National Academies of
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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

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

12:45pm **Commercial Partnerships and Industrialization of Space: Panel Discussion**

Introduction by Carissa Christensen, Roundtable Member

Opening remarks by panelists: 15-20 minutes each

- Axiom Space, Mike Suffredini
- Made in Space, Andrew Rush
- Planetary Resources, Chris Lewicki
- Tethers Unlimited, Rob Hoyt
- NanoRacks, Rich Pournelle

Key Questions for Panelists and Roundtable Members:

- What objectives could commercial space endeavors achieve in the next 10 to 15 years?
- How can NASA in general and STMD in particular support commercial partnerships and the industrialization of space?
- Is NASA investing in the right types of space technologies?
- What are the best mechanisms for forming public-private partnerships in the area of technology development?
- What are the key milestones for commercialization in the next 5 years? What are the appropriate roles for STMD?

2:30pm **Break**

3:00pm **Previous Discussion Continues: Discussions with Panelists**

4:15pm Technologies investments for Lunar Exploration: Overview and Issues to Explore at the Fall Meeting

- Steve Jurczyk, NASA Associate Administrator (Acting)
- Wanda Sigur, STIGUR Chair

Key Question for Roundtable:

- What issues related exploration and lunar missions should be addressed at the next Roundtable meeting? Possibilities include:
 - Is the alignment between STMD's existing/new programs and NASA's revised focused areas clear? How can the alignment be improved?
 - Has NASA adequately defined how it can capitalize on the advantages of lunar orbit? Lunar landing?
 - What role will public-private partnerships play in Lunar exploration and technology development?
 - Are there other STMD objectives associated with a sustained lunar presence that will enable future exploration?

4:45pm **Wrap-up, Including Additional Topics For Next Meeting**

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.