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
(Draft, as of 02/14/2018)

Thursday, March 9, 2018

7:30am **Room opens** (breakfast available in meeting room)

8:30am **Meeting convenes**
Welcome
- Wanda Sigur, STIGUR Chair
- Steve Jurczyk, Space Technology Mission Directorate (STMD) Associate Administrator

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.**
- Steve Jurczyk, STMD Associate Administrator

Key Questions for Roundtable:
Regarding the FY 2019 budget request; the Agency's new exploration direction; and STMD's strategic framework:
- 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**

Opening remarks: 15-20 minutes per panelist

- Axiom Space, Mike Suffredini
- Bigelow (invited)
- Made in Space (invited)
- Planetary Resources (invited)
- Tethers Unlimited (invited)
- NanoRacks, Jeffrey Manber

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?

2:45pm **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, STMD Associate Administrator
- 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.