

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
Room 120**

- **Taxi drop-off:** 2101 Constitution Ave NW, Washington, D.C.
- **Parking lot entrance:** Southwest corner of C Street and 21st St, NW. The visitors' parking lot is not large, and you may wish to take a taxi to avoid parking issues.
- **Taxi stand to depart:** 22nd St NW at C St NW.
Exit the C St entrance to the NAS building (at the side of the building opposite from the Constitution Ave entrance), then turn left and walk to the corner.

AGENDA

(as of 10/1/2019)

Thursday, October 3, 2019

- 7:30am **Room opens** (breakfast available in meeting room)
- 8:30am **Welcome**
- Wanda Sigur, STIGUR Chair
 - Jim Reuter, NASA Space Technology Mission Directorate (STMD) Associate Administrator
- 8:35am **Overall Status of Space Technology and Current Directions of STMD**
- Jim Reuter, STMD Associate Administrator
 - Feedback from Roundtable members
 - Perspectives on alignment to STMD strategic objectives
 - Perspectives on key accomplishments
 - Actionable recommendations
- 10:00am Break
- 10:15am to 12:45pm **Lunar Surface Exploration and Commercialization**
- 10:15 am NASA Presentation: Lunar Surface Innovation Initiative
- STMD Program Executive: Niki Werkheiser

Space Technology Industry-Government-University Roundtable

- 10:45am STMD staff and Roundtable members will ask questions of a panel of experts and other Roundtable members.
- Topics
 - High priority opportunities to incorporate commercialization into the Lunar Surface Innovation initiative
 - Key technology needs
 - Technological and other factors that will drive private investment and public-private partnerships that would facilitate lunar surface exploration
 - STMD staff
 - Jeff Sheehy
 - Lee Mason
 - Jim Reuter
 - Panel of Experts
 - Moderator: Marcia Smith, STIGUR
 - Carissa Christensen, Bryce Space and Technology
 - Matt Kozlov, Techstars Starburst Space Accelerator
 - Rob Meyerson, Delalune Space
 - George Sowers, Colorado School of Mines
 - Les Kovacs, Firefly Aerospace
- 12:30pm Feedback from STIGUR
- 12:45pm Lunch
- 1:30pm **Early Stage Research Programs in STMD**
- Claudia Meyer, STMD
 - NASA panel (opening remarks of 20 minutes each)
 - Moderator: Charles Farhat, Stanford, STIGUR member
 - Jason Derleth, STMD: NASA Innovative Advanced Concepts (NIAC) Program
 - Ricky Howard, NASA Center Innovation Fund
 - David Moyer and Jan Rogers, STMD: Space Technology Research Grants
 - Discussion with Roundtable members. Topics:
 - Are changes needed to the focus and scope of the early stage research activities?
Are changes needed?
 - Should some elements of the space research community have greater involvement?
 - How can the selection process be improved?
- 3:00pm Break
- 3:15pm **General Discussion**
- What topics or technologies would be most useful for STMD to hear about at future meetings?
 - What research and technology development areas should STMD address in more detail?
 - How can STMD better address the space technology needs of NASA, other federal agencies, and industry?
 - Action items for STMD and the Roundtable
 - Feedback and comments from new members

4:30 pm

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.