NATIONAL ACADEMIES Sciences Engineering Medicine

Space Technology Industry-Government-University Roundtable (STIGUR)

March 24, 2023
Hybrid Meeting

NAS Keck Center, 500 5th Street NW, Washington, DC – Room 201
Livestream: https://vimeo.com/event/3086812

AGENDA

Time Start (ET)	Time Stop (ET)	Topic	Speaker
10:00a	10:15a	**Welcome and Opening Remarks**	• **Wanda Sigur**, Chair, STIGUR • **Jim Reuter**, Associate Administrator, NASA Space Technology Mission Directorate (STMD)
10:15a	11:15a	**STMD Progress Highlights and Budget Update**	• **Jim Reuter**
Discussion Questions • *Does the budget seem aligned with priorities? Concerns?* • *Does execution seem aligned to strategic priorities?* • *Are there opportunities that should be considered? What seem to be missing?* • *Is the value for expended resources demonstrated?*			
11:15a	11:30a	*Break*	

11:30a	1:00p	**Space Technology Research Grants (STRG) Program** • NASA Space Technology Graduate Research Opportunities (NSTGRO), replacing NASA Space Technology Research Fellowships • Early Career Faculty (ECF) grants • Early Stage Innovations (ESI) • Lunar Surface Technology Research Opportunities (LuSTR) • Space Technology Research Institutes (STRI)	• **Matthew Deans**, NASA STMD Moderator • **Sergio Sandoval**, San Diego State University • **Elliot Hawkes**, University of California, Santa Barbara • **Burcu Gurkan**, Case Western Reserve University • **Natasha Bosanac**, University of Colorado, Boulder • **Greg Odegard**, Michigan Technological University
Discussion Questions • *What are the ideal outcomes for the STRG programs? (What would the speakers and Roundtable members like to see?)* • *How are early career faculty enabled by these programs?* • *Are there members of the community that are missing from these programs that would significantly impact the novelty or trajectory of technology development or the future body of needed experts in the field?* • *What seems to be working and where are there issues in the current program?* • *Are there different models for driving and supporting technology development and the growth of researchers that should be considered?*			
1:00p	2:00p	*Lunch*	
2:00p	3:30p	**Advanced Nuclear Thermal Propulsion (NTP) Panel Discussion, Part 1**, including a discussion of the NASA/DARPA Demonstration Rocket for Agile Cislunar Operations program (DRACO)	• **Anthony Calomino**, NASA STMD Moderator • **Tabitha Dodson**, DARPA • **Mark Scherbarth**, AFRL • **Roger Myers**, R. Myers Consulting, LLC
Questions for the Panel • *How do you envision the partnership between NASA and DARPA addressing the technology needs of nuclear propulsion for NASA missions? Opportunities for acceleration? Concerns and risks?* • *What are the plans for continuing development of alternate nuclear power options, like NEP for NASA's future? Does the DRACO program pre-empt progress in other areas? Is there an integrated technology development plan?* • *How can interagency collaboration and data sharing drive solutions? Is there a risk of classified priorities overshadowing NASA's goals?*			
3:30p	3:45p	*Break*	
3:45p	4:30p	**Advanced Nuclear Thermal Propulsion (NTP) Panel Discussion, Part 2**	As above
4:30p	5:00p	**Comments & Feedback**	All