

Space Technology Industry-Government- University Roundtable

Update on Recent and Planned Activities

Mark Lewis

Background

- Sponsored by NASA's Space Technology Mission Directorate
- Builds on the example set by the Aeronautics Research and Technology Roundtable

Statement of Task

- Convene senior-most representatives from industry, universities, NASA, and other government agencies
- Define and explore critical issues related to NASA's space technology research agenda that are of shared interest
- Frame systems-level research issues
- Explore options for public-private partnerships
- Meetings intended to facilitate candid dialogue among participants, to foster greater partnership among the NASA-related space technology community, and, where appropriate, carry awareness of consequences to the wider public.

Membership—Industry

- **RAY O. JOHNSON, Chair,** Lockheed Martin
- **RAYMOND S. COLLADAY,** Lockheed Martin Astronautics (Retired)
- **ANTONIO L. ELIAS,** NAE, Orbital Sciences Corporation
- **MICHAEL GOLD,** Bigelow Aerospace
- **GREGG J. MARTIN,** Boeing Network and Space Systems
- **ROGER MYERS,** Aerojet Rocketdyne
- **ALFRED TADROS,** Space Systems/Loral

Membership—Government

- **MICHAEL GAZARIK**, NASA STMD, ex officio
- **DOUGLAS R. COOKE**, Cooke Concepts and Solutions (former NASA)
- **MICHAEL D. GRIFFIN**, NAE, Schafer Corporation (former NASA)
- **JOHN W. HINES**, Independent Consultant (former NASA)
- **RUSSELL E. PARTCH**, U.S. Air Force

Membership—University

- **ROBERT D. BRAUN**, NAE, Georgia Institute of Technology
- **CLAUDE CANIZARES**, NAS, MIT
- **WERNER J. A. DAHM**, Arizona State University
- **ALEC D. GALLIMORE**, University of Michigan
- **LAURENCE R. YOUNG**, NAE, IOM, MIT

Membership—Other Organizations

- **CARISSA B. CHRISTENSEN**, Tauri Group
- **WILLIAM C. KRENZ**, Aerospace Corporation
- **MARK J. LEWIS**, IDA Science and Technology Policy Institute
- **SANDRA H. MAGNUS**, AIAA
- **MARCIA S. SMITH**, Space and Technology Policy Group, LLC
- **JOHN C. SOMMERER**, JHU Applied Physics Laboratory (retired)

Meeting Schedule

- 1. September 11, 2014 (D.C.)**
- 2. February 11, 2015 (D.C.)**
- 3. Fall 2015**
- 4. Spring 2016**

Feb 11 Discussions - 1

Michael Gazarik, NASA Associate Administrator, STMD

- **STMD goals, investment approach, and specific research projects (at various levels of technology readiness)**
- **State of STMD collaborations with researchers and users in outside organizations and options for improving those collaborations, while emphasizing the importance of partnering with users in flight demonstrations of new technologies.**

David Miller, NASA Chief Technologist

- **Activities of the Office of the Chief Technologist (OCT)**
- **Interactions between OCT and STMD**

Feb 11 Discussions - 2

Extended discussion guided by four questions posed by Michael Gazarik:

- How can STMD improve the alignment of its Space Technology Program with the nation's aerospace industry needs?**
- How can STMD improve the awareness and infusion of its low technology readiness level results?**
- What is the best way to ensure relevance and sustainability of NASA's Space Technology Program over multiple Administrations?**
- What experiences have members of the Roundtable had with successful infusion of technology?**