



54th Robert H. Goddard Memorial Symposium

Leadership for Space: Opportunities and Challenges

March 8-10, 2016

Greenbelt Marriott / Greenbelt, Maryland

– *Final Program* –

Tuesday, March 8

6:00 Evening Symposium Warm-up / Meet & Greet Mixer *Annapolis Room*
sponsored by Northrop Grumman

Wednesday, March 9

7:00 Registration Opens / Continental Breakfast *sponsored by Orbital ATK*

7:15 AAS Corporate Members Breakfast *invitation only*

8:30 Welcome and Announcements *Salons A-B-C*
Lyn Wigbels, AAS President

8:40 Opening Speaker
Jean-Jacques Dordain, Advisor to CNES President Jean-Yves Le Gall and
former ESA Director General

9:10 Introduction of Keynote Speaker
Chris Scolese, Director, NASA Goddard Space Flight Center and
Symposium Honorary Chair

9:15 Keynote
Charles F. Bolden, Jr., NASA Administrator

10:00 Break *sponsored by Orbital ATK*

10:15 NASA Mission Directorates: Change, Continuity or Both?

Moderator: George Morrow, Deputy Director, NASA GSFC

Panelists:

- Bill Gerstenmaier, Associate Administrator for Human Exploration and Operations
- John Grunsfeld, Associate Administrator for Science
- Robert Pearce, Deputy Associate Administrator for Aeronautics Research
- Dennis Andrucyk, Deputy Associate Administrator for Space Technology

11:45 Pre-lunch Break / Meeting Space Reconfiguration

12:00 Honors and Awards Luncheon *Salons B-C-D sponsored by Lockheed Martin*
Guest Speaker: John Holdren, Science Advisor to the President and
Director, Office of Science and Technology Policy

2:00 Spotlight
Ken Sembach, Director, Space Telescope Science Institute

2:30 Evolution of a Space Policy: How to Achieve Consensus
Moderator: Frank Moring, Jr., Senior Editor, Aviation Week & Space
Technology

Panelists:

- Marcia Smith, President, Space and Technology Policy Group; Editor, SpacePolicyOnline.com
- Lori Garver, General Manager, Air Line Pilots Association (ALPA)
- Chris Shank, Policy Director for the Science, Space, and Technology Committee, House of Representatives
- Sandy Magnus, Executive Director, American Institute of Aeronautics and Astronautics (AIAA)
- Mary Lynne Dittmar, Executive Director, Coalition for Deep Space Exploration

4:00 Break *sponsored by Orbital ATK*

4:15 Space Technology Trajectories for the Future
Moderator: Stamatios M. "Tom" Krimigis, Head Emeritus and Principal Staff,
Space Department, JHU/Applied Physics Laboratory

Panelists:

- Jeff Sheehy, Senior Technical Officer, Space Technology Mission Directorate, NASA Headquarters
- William "Red" Whittaker, Fredkin Professor of Robotics, The Robotics Institute, Carnegie Mellon University
- Benjamin Reed, Satellite Servicing Capabilities Office, NASA GSFC
- Thomas Pieronek, Vice President Research, Northrop Grumman Aerospace Systems

5:30 Closing Spotlight – James Webb Space Telescope
Nathaniel Kahn, Oscar- and Emmy-nominated maker of documentary films

6:00 Industry, Government, and Student Networking Reception *Annapolis Room*
sponsored by SpaceX

Thursday, March 10

7:30 Registration Opens / Continental Breakfast *sponsored by Honeywell*

8:30 Introduction of Opening Speaker *Salons A-B-C*
Chris Scolese, Director, NASA Goddard Space Flight Center and
Symposium Honorary Chair

8:35 Opening Speaker
William Wrobel, Director, NASA's Wallops Flight Facility

- 9:05 NOAA's Strategic Research and Partnerships**
Moderator: Richard Spinrad, Chief Scientist, NOAA
Panelists:
- Thomas Berger, Director, Space Weather Prediction Center, NOAA
 - Michael Freilich, Director, Earth Science Division, NASA Headquarters
 - Jack Hayes, Vice President, Weather Products and Services, Harris Corporation
 - RADM Timothy Gallaudet, USN, Oceanographer and Navigator of the Navy
- 10:30 Break** *sponsored by Honeywell*
- 10:45 International and Commercial Opportunities and Challenges**
Moderator: Sam Scimemi, Director, International Space Station, NASA Headquarters
Panelists:
- Jim Crocker, Vice President and General Manager, Lockheed Martin Space Systems Company International
 - Kathy Laurini, Senior Advisor, Exploration and Space Operations, NASA
 - Eric Stallmer, President, Commercial Spaceflight Federation
 - Mike Gold, Director, Chair, Commercial Space Transportation Advisory Committee (COMSTAC)
- 12:15 Pre-lunch Break / Meeting Space Reconfiguration**
- 12:30 Luncheon** *Salons B-C-D sponsored by Boeing*
Guest Speaker: Robert Lightfoot, NASA Associate Administrator
- 2:00 Spotlights: Changes in Workforce Development**
- Dan Dumbacher, Professor of Engineering Practice, School of Aeronautics and Astronautics Engineering, Purdue University
 - Scott Drach, Senior Vice President, Human Resources & Administration, Boeing Defense & Space
- 3:00 Break** *sponsored by Honeywell*
- 3:15 Exploration and Science Missions: Vision 2020**
Moderator: Steve Squyres, James A. Weeks Professor of Physical Sciences, Cornell University; Chair, NASA Advisory Council
Panelists:
- Aki Roberge, Astrophysicist, Exoplanets and Stellar Astrophysics Lab, NASA GSFC
 - Therese Jorgensen, Program Director, National Science Foundation Space Weather Research
 - Ellen Stofan, Chief Scientist, NASA Headquarters
 - Eileen Stansbery, Deputy Director, Exploration Integration and Science; Chief Scientist, NASA JSC
- 4:45 Closing Thoughts/Spotlight**
Robert Lightfoot and Chris Scolese
- 5:15 Closing Reception** *Annapolis Room*