



53rd Robert H. Goddard Memorial Symposium

On the Cusp: What's Next?

March 10-12, 2015

Greenbelt Marriott / Greenbelt, Maryland

– Program –

Tuesday, March 10

- 6:00 Evening Symposium Warm-up / Meet & Greet Mixer** *Annapolis Room*
sponsored by SAIC
- Bob Rogers as special guest

Wednesday, March 11

- 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
Harley Thronson, Chair, Symposium Planning Committee; Senior Scientist for
Advanced Concepts in Astrophysics, NASA Goddard Space Flight Center
- 8:40 Opening Speaker**
Bob Rogers, Founder and Chairman, BRC Imagination Arts
- 9:10 Introduction of Keynote Speaker by Presenting Sponsor**
Wanda Sigur, Vice President and General Manager of Civil Space,
Lockheed Martin Space Systems
- 9:15 Keynote**
Charles F. Bolden, Jr., NASA Administrator
- 10:00 Break** *sponsored by Orbital ATK*
- 10:15 NASA Headquarters Perspectives**
Moderator: Christyl Johnson, Deputy Director for Technology and Research
Investments, NASA GSFC
Panelists:
- John Grunsfeld, Associate Administrator for Science
- Greg Williams, Deputy Associate Administrator for Human Exploration and
Operations

- Robert Pearce, Director of Strategy, Architecture, and Analysis Office, Aeronautics Research Mission Directorate
- James Reuther, Deputy Associate Administrator for Programs, Space Technology

11:45 Pre-lunch Break / Meeting Space Reconfiguration

12:00 Honors and Awards Luncheon *Salons B-C-D sponsored by a.i. solutions*
 Guest Speaker: Pamela Melroy, Deputy Director, Tactical Technology Office, Defense Advanced Research Projects Agency (DARPA)

2:00 Spotlights – Earth Science and Heliophysics

- Lisa Callahan, Associate Director for Mission Planning and Technology Development, Earth Sciences Division, NASA GSFC
- Therese Jorgensen, Program Director, NSF Space Weather Research

2:45 Cutting-Edge Technology

Moderator: David Miller, NASA Chief Technologist

Panelists:

- Boeing
- Lockheed Martin
- Northrop Grumman
- TBD

4:00 Break *sponsored by Orbital ATK*

4:15 Generation Next

Moderator: Bob Rogers, Founder and Chairman, BRC Imagination Arts

Panelists:

- Alex Case, Aerospace Engineering Major, University of Illinois at Urbana-Champaign
- Midshipman 1/C Patrick Dods, USN, Aerospace Engineering Major, Astronautics Track, United States Naval Academy
- Clare Skelly, Communications Intern, NASA GSFC
- Raphael Perrino, International Science and Technology Policy Major, George Washington University

5:15 Closing Spotlight – Planetary Science

Jim Green, Director, Planetary Science Division, NASA HQ

5:45 Industry, Government, and Student Networking Reception *Annapolis Room sponsored by Northrop Grumman*

Thursday, March 12

7:30 Registration Opens / Continental Breakfast

9:00 Introduction of Keynote Speaker *Salons A-B-C*

9:05 Keynote Speaker

France Córdova, Director, National Science Foundation invited

9:35 What's up with the Global Exploration Roadmap?

Moderator: Kathy Laurini, Senior Advisor, Exploration and Space Operations, NASA

Panelists:

- Bernhard Hufenbach, Directorate of Human Space Flight, ESA
- Mary Lynne Dittmar, Member, NRC Committee on Human Spaceflight
- Jeffrey Plescia, Space Department, JHU/Applied Physics Laboratory; Chair, Lunar Exploration Analysis Group

11:00 Break

11:15 Destination Mars Spotlights

- Investigating Mars: Bruce Jakosky, MAVEN Principal Investigator, University of Colorado Boulder
- Affording Mars: Joe Cassady, Executive Director, Space, Aerojet Rocketdyne

12:00 Pre-lunch Break / Meeting Space Reconfiguration

12:15 Luncheon *Salons B-C-D sponsored by Boeing*

Guest Speaker: Steve Volz, Assistant Administrator, Satellite and Information Service, NOAA

1:45 The Next Golden Age of Astronomy

Moderator: Kathy Flanagan, Interim Director, Space Telescope Science Institute

Panelists:

- John Mather, Senior Project Scientist, James Webb Space Telescope, NASA GSFC
- Mark Clampin, Project Scientist, James Webb Space Telescope, NASA GSFC
- Alexey Vikhlinin, Deputy Associate Director, High-Energy Astrophysics Division, Harvard-Smithsonian Center for Astrophysics

3:00 Break

3:15 Emerging Commercial Ventures

Moderator: Eric Stallmer, President, Commercial Spaceflight Federation

Panelists:

- Richard DalBello, Vice President, Virgin Galactic (commercial transport to Orbit)
- James Muncy, Founder, PoliSpace (commercial destinations)
- Tourism: TBD
- Peter Marquez, Vice President, Planetary Resources (space resources)

4:45 What's Next – Closing Thoughts

- Jeff Foust, Senior Staff Writer, SpaceNews
- Frank Moring, Senior Editor Space, Aviation Week & Space Technology
- Marcia Smith, Editor, SpacePolicyOnline

5:15 Closing Reception *Annapolis Room sponsored by SpaceX*