



49th Robert H. Goddard Memorial Symposium

NASA: More Than You Imagine

March 29-31, 2011

Greenbelt Marriott / Greenbelt, Maryland

– Program –

Tuesday, March 29

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

Wednesday, March 30

7:00 Registration Opens / Continental Breakfast *sponsored by Honeywell*

8:30 Welcome and Announcements *Salons A-B-C*
- Frank Slazer, Aerospace Industries Association; AAS President
- Harley Thronson, Associate Director for Advanced Concepts in Astrophysics,
NASA GSFC; Chair, Symposium Planning Committee

8:40 Introduction of Keynote Speakers
Rob Strain, Director, NASA Goddard Space Flight Center and
Symposium Honorary Chair

8:45 Keynote
Charles F. Bolden, Jr., NASA Administrator

9:30 Keynote
John Holdren, Science Advisor to the President and Director,
Office of Science and Technology Policy

10:15 Break *sponsored by Honeywell*

10:30 Panel: NASA Headquarters Associate Administrators
Moderator: Alan Ladwig Deputy Associate Administrator for Public Outreach,
NASA Headquarters

Panelists:

- Laurie Leshin, Deputy Associate Administrator for Exploration Systems
- William Gerstenmaier, Associate Administrator for Space Operations
- Thomas Irvine, Deputy Associate Administrator for Aeronautics Research
- Charles Gay, Deputy Associate Administrator for Science
- Woodrow Whitlow, Associate Administrator for Mission Support

12:15 Pre-lunch Break / Space Reconfiguration

12:30 Awards Luncheon *Salons B-C-D*

Guest Speaker: William Wrobel, Director, Wallops Flight Facility and Suborbital and Special Orbital Projects Directorate

2:00 How We Got Where We Are: 40 Years of Planning...

Roger Launius, Senior Curator, Division of Space History, National Air and Space Museum, Smithsonian Institution

2:30 Panel: Yuri's 50th Anniversary and the Future of Human Spaceflight

Moderator: Walt Faulconer, President, Strategic Space Solutions, LLC

Panelists:

- Laurie Leshin, Deputy Associate Administrator for Exploration Systems, NASA Headquarters
- Cleon Lacefield, Vice President and Orion Program Manager, Lockheed Martin Space Systems
- David Mindell, Professor of Aeronautics and Astronautics, MIT
- Todd May, Associate Director, NASA Marshall Space Flight Center and Lead for the Space Launch System (SLS) Planning Office

4:00 Break *sponsored by Honeywell*

4:15 Panel: NASA's Three Chiefs – Operations and Research

Moderator: Warren Ferster, Editor-in-Chief, *Space News*

Panelists:

- Bobby Braun, Chief Technologist, NASA Headquarters
- Greg Robinson, Deputy Chief Engineer, NASA Headquarters
- Nicholas White, Director, Sciences & Exploration Directorate, NASA GSFC

5:30 Closing Video Remarks

Charles Elachi, Director, Jet Propulsion Laboratory and Vice President, California Institute of Technology; recipient of the 2011 Carl Sagan Memorial Award *sponsored by SAIC*

5:45 Industry, Government, and Student Networking Reception *Annapolis Room*
(featuring NASA's DEVELOP Program) *sponsored by Northrop Grumman*

Thursday, March 31

7:30 Registration Opens / Continental Breakfast *sponsored by JHU/APL*

9:00 Introduction of Keynote Speaker

Rob Strain, Director, NASA Goddard Space Flight Center and Symposium Honorary Chair

9:05 Keynote *Salons A-B-C*

Steve Squyres, Goldwin Smith Professor of Astronomy, Cornell University

9:45 Panel: Protecting Our Home

Moderator: Christyl Johnson, Deputy Center Director for Science and Technology, NASA GSFC

Panelists:

- Tom Jones, Senior Research Scientist, Florida Institute for Human & Machine Cognition; Veteran Astronaut
- Michael A'Hearn, Distinguished University Professor, CMPS-Astronomy, University of Maryland
- William Murtagh, Program Coordinator, NOAA Space Weather Prediction Center
- Michael Hesse, Director, Community Coordinated Modeling Center, NASA GSFC

11:15 Pre-lunch Break / Space Reconfiguration

11:30 Luncheon *Salons B-C-D*

Guest Speaker: David Neyland, Director, Tactical Technology Office, Defense Advanced Research Projects Agency (DARPA)

1:30 Panel: Partnerships That Matter

Moderator: Joe Rothenberg, Senior Vice President International Development, Swedish Space Corporation

Panelists:

- Charles Baker, Deputy Assistant Administrator for Satellite and Information Services, NOAA
- Kathy Turner, Office of High Energy Physics, Office of Science, DOE
- Andreas Diekmann, Head, Washington Office, European Space Agency
- William Smith, President, Association of Universities for Research in Astronomy (AURA)

3:00 Break *sponsored by JHU/APL*

3:30 Panel: Commercial Spaceflight to LEO

Moderator: Robert Dickman, Executive Director, The American Institute of Aeronautics and Astronautics (AIAA)

Panelists:

- Philip McAlister, Special Assistant to the Associate Administrator for Exploration Systems, NASA Headquarters
- Bretton Alexander, President, Commercial Spaceflight Federation
- Frank Slazer, Vice President for Space Policy, Aerospace Industries Association
- Ken Davidian, Director of Research, Office of the Chief Engineer, Office of Commercial Space Transportation, FAA
- Col Lee Rosen, USAF, Commander, 45th Launch Group

5:15 Wrap-up and Final Thoughts

Robert Burke, Vice President, Civil and Military Systems, Northrop Grumman Aerospace Systems

5:30 Closing Reception *Salons C-D sponsored by Lockheed Martin*