



47th Robert H. Goddard Memorial Symposium

March 10–12, 2009

“Sustainable Space Exploration”

Program

Tuesday, March 10

6:00 Evening Networking Reception: Students and Aerospace Industry Leaders
- Annapolis Room

Wednesday, March 11

7:30 Registration Opens / Continental Breakfast

8:45 Opening Announcements and Acknowledgements - *Salons A&B*
- Harley Thronson, Associate Director for Advanced Concepts in Astrophysics, NASA GSFC
- Frank Slazer, Northrop Grumman; AAS President

8:55 Introduction of Keynote Speaker
Rob Strain, Director, NASA Goddard Space Flight Center
and Symposium Honorary Chair

9:00 Keynote: Space at the Crossroads – A Reflective Perspective
Lester L. Lyles, General, USAF (Ret), Independent Consultant and Member of the NASA
Advisory Council

Break

10:00 Challenges to Sustainability
Scott Pace, Director, Space Policy Institute, George Washington University

10:45 Sustaining Human Exploration
Tom Cremens, Director, Studies and Analysis Division, Office of Program Analysis
and Evaluation, NASA Headquarters

11:30 Luncheon - *Salons C&D*

Guest Speaker: Alan Ladwig, Special Advisor, Office of the Administrator,
NASA Headquarters

1:00 Earth Science Panel – What NASA is doing and can do to sustain the Earth

Moderator: James Garvin, Chief Scientist, NASA GSFC

- Mary Kicza, Assistant Administrator, NESDIS/NOAA
- Nancy Colleton, Director, Institute for Global Environmental Strategies
- Claire Parkinson, AQUA Project Scientist, NASA GSFC

2:15 Education/Human Resources Pipeline in Action

Moderator: Dillard Menchan, Deputy Education Officer, NASA GSFC

- Alissa Mitchell, NASA GSFC
- Brian Roberts, NASA GSFC
- Ramsey Smith, NASA GSFC
- Amri Hernandez-Pellerano, NASA GSFC

3:15 Break

3:30 Industry Panel – Sustainability of the Aerospace Industry

Moderator: J.P. Stevens, Vice President, Space Systems, Aerospace Industries Association

- John Schumacher, Vice President, Washington Office, Aerojet
- Eric H. Thoemmes, Vice President, Space Systems and Operations, Lockheed Martin
- James A. Vedda, Senior Policy Analyst, Center for Space Policy and Strategy, Aerospace Corporation
- Lawrence H. Williams, Vice President, International and Government Affairs, Space Exploration Technologies Corporation

5:00 Five Decades of GSFC – Sustaining Goddard: Past, Present and Future

Moderator: Laurie Leshin, Deputy Director for Science and Technology, NASA GSFC

- Frank McDonald, NASA GSFC, retired; University of Maryland
- Ronald Muller, NASA GSFC, retired; Consulting Engineer
- Dennis McCarthy, NASA GSFC, retired; Management Consultant
- Dorothy Zukor, Deputy Director, Earth Science Division, NASA GSFC
- Orlando Figueroa, Director of Applied Engineering and Technology, NASA GSFC

6:15 Reception – Goddard Space Flight Center 50th Anniversary Salute

with Earth scientists and GSFC Alumni *Sponsored by USRA - Salons C&D*

Thursday, March 12

7:30 Registration Opens / Continental Breakfast

8:30 Opening Announcements - *Salons A&B*

8:45 Keynote

Rob Strain, Director, NASA Goddard Space Flight Center

9:30 NASA Centers Panel – Sustainability of Scientific Exploration

Moderator: Jon Morse, Director, Astrophysics Division, NASA Headquarters

- Goddard Space Flight Center: Rob Strain, Director
- Langley Research Center: Lesa Roe, Director
- Dryden Flight Research Center: Kevin Petersen, Director

Break

11:15 NASA Centers Panel – Sustainability of Human Exploration

Moderator: Rick Obenschain, Deputy Director, NASA GSFC

- Johnson Space Center: Ellen Ochoa, Deputy Director
- Marshall Space Flight Center: Robert Lightfoot, Jr., Deputy Director
- Kennedy Space Center: Janet Petro, Deputy Director
- Glenn Research Center: Ray Lugo, Deputy Director
- Stennis Space Center: Gene Goldman, Director

12:45 Awards Luncheon - Salons C&D

Guest Speaker: Wayne Hale, Deputy Associate Administrator of Strategic Partnerships, Space Operations Mission Directorate, NASA Headquarters

2:15 Human Spaceflight and Science: Benefits of Servicing the Hubble Space Telescope

Matt Mountain, Director, Space Telescope Science Institute

3:00 Global Change Monitoring

Robert Burke, Vice President and General Manager, Civil Systems, Northrop Grumman Aerospace Systems

Break

4:00 NASA's Science Program

Paul Hertz, Chief Scientist, Science Mission Directorate, NASA Headquarters

4:45 A View of Global Space

Henry Hertzfeld, Research Professor, Space Policy Institute, George Washington University

5:30 Closing Thoughts

6:00 Closing Reception - Salons C&D