



## **3<sup>rd</sup> Wernher von Braun Memorial Symposium**

# ***21st Century Approaches to the Use and Development of Space***

**October 25-27, 2010**

**Chan Auditorium  
Business Administration Building  
The University of Alabama in Huntsville**

**An AAS Symposium organized  
in conjunction with the  
The University of Alabama in Huntsville  
Huntsville National Space Club  
NASA Marshall Space Flight Center**

**Media Sponsor – *Space News***

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## MONDAY, OCTOBER 25

**5:00 Kick-off Networking Reception** (*University Center, Exhibit Hall*)

**5:30 Introduction of Special Guest**

– *Robert Lightfoot*, Director, NASA Marshall Space Flight Center (MSFC)

**Remarks**

– *Rep. Parker Griffith*, R-AL, House Energy and Commerce Committee

## TUESDAY, OCTOBER 26

**7:30 Registration Opens / Networking / Continental Breakfast**  
(*Business Administration Building, Lobby*)

**8:30 Welcome to Campus** (*Chan Auditorium*)

– *David Williams*, President, UAHuntsville

**Remarks by AAS President**

– *Frank Slazer*, Northrop Grumman

**8:45 Keynote**

– TBD

**9:30 Break**

**9:45 Panel: Perspectives on U.S. Space Policy 2010**

**Moderator:** *Elizabeth Newton*, UAHuntsville Policy Research Program

– *Peter Marquez*, former Director of Space Policy, National Security Council

– *Gary Payton*, former Deputy Undersecretary of the Air Force for Space

– *Mike Griffin*, former NASA Administrator

– *Marcia Smith*, former Senior Level Specialist, Congressional Research Service and Director, Space Studies Board, National Academy of Sciences

– *Bretton Alexander*, President, Commercial Spaceflight Federation

**12:00 Luncheon** (*University Center, Exhibit Hall*)

**Guest Speaker:** *Ambassador Gregory Schulte*, Deputy Assistant Secretary of Defense for Space Policy

**Student Poster Displays** (*University Center, Room 126*)

**1:30 Panel: International Perspectives on the Future Use and Development of Space**  
(*Business Administration Building, Chan Auditorium*)

**Moderator:** *Linda Moodie*, Senior Advisor and Branch Chief, Office of International and Interagency Affairs, NOAA Satellite and Information Service

– *Andreas Diekmann*, Head, Washington Office, European Space Agency

– *Deviprasad Karnik*, Counselor, Space and ISRO Liaison, Embassy of India

– *Udo Michallik*, State Secretary of Mecklenburg-Vorpommern, Germany

– *Norimitsu Kamimori*, Director, Washington Office, Japan Aerospace Exploration Agency

**3:30 Break**

**3:45 Presentations: Creating Security, Stability, and Sustainability Using Space**

**Session Chair:** *Sundar Christopher*, Chairman of UAHuntsville's Atmospheric Sciences Department and Sustainability Degree Program

- NASA MSFC: *Ashutosh Limaye*, Science and Applications Lead – SERVIR
- Panama/CATHALAC: *Emilio Sempras*, Executive Director – Water Management and Development Planning
- U.S. European Command: *Steve Spehn*, Operational Manager – PEOPLE ACE Project

**5:15 Reception and Student Poster Displays**

*(University Center, Exhibit Hall and Room 126)*

## **WEDNESDAY, OCTOBER 27**

**7:30 Registration Opens / Networking / Continental Breakfast**

*(Business Administration Building, Lobby)*

**8:30 Panel: Outlook for the Aerospace Industrial Base**

*(Business Administration Building, Chan Auditorium)*

**Moderator:** *Christopher Scolese*, Associate Administrator, Office of the Administrator, NASA Headquarters

- *Robert Lightfoot*, Director, NASA MSFC: Next Generation Requirements and Challenges
- *Mike Rudolphi*, Deputy Vice President, Space Launch Systems, ATK
- *Ron Ramos*, Vice President for Exploration and Missile Defense, Pratt & Whitney Rocketdyne
- *John Karas*, Vice President & General Manager of Human Spaceflight, Lockheed Martin
- *Jim Chilton*, Vice President, Exploration Systems, The Boeing Company
- *John Schumacher*, Vice President, Washington Operations, Aerojet
- *Mike Bender*, Vice President, Government Business Development, SpaceX

**10:15 Break**

**10:30 Presentations: Engaging Aerospace Professionals of the Future**

– **Education Outreach Event** –

**Session Chair:** *Kathy Nado*, NASA Headquarters

**Panel 1 – STEM Careers**

- *Jim Halsell*, Vice President for Exploration Systems, ATK, Former NASA Shuttle Astronaut
- *Monsi Roman*, Project Manager, Exploration Life Support, NASA MSFC, Technology Professional
- *Daniel Dumbacher*, Director, Engineering Directorate, NASA MSFC, Engineering Professional
- *Muril Robertson*, Gleason Research, Math Professional

**Panel 2 – Participatory Opportunities**

- *Wolfgang Schareck*, Rektor, University of Rostock, Germany (Global perspective on importance of STEM education)
- *Kathy Nado*, NASA HQ (NASA Participatory Exploration Study Team)
- *P.J. Benfield*, UAHuntsville (Integrated Product Teams)
- *Andy Page*, President/CEO, Oak Ridge Associated Universities (ORAU)

**12:00 Luncheon (University Center, Exhibit Hall)**

**Guest Speaker:** *Douglas Cooke*, Associate Administrator, Exploration Systems Mission Directorate, NASA Headquarters

**Announcement of Student Poster Awards (Poster Displays in Room 126)**

**1:30 Presentations: Honoring 50 Years: Foundation for the Future**

*(Business Administration Building, Chan Auditorium)*

**Moderator:** *Robert Lightfoot*, Director, NASA MSFC

**Honoring 50 Years**

- *Bob Ryan* – Transitions (Army Missile Command to NASA MSFC, Apollo to Shuttle) NASA Retiree
- *William Lucas* – Enhancing the Development and Use of Space (Shuttle, Spacelab, ISS, Building a Space Operations Community), Former Director, NASA MSFC
- *Jack Lee* – Moving Forward (Spacelab Missions, Scientific Instrument Development and Operations), Former Director, NASA MSFC
- *Wayne Littles* – Development of Systems for Living and Working in Space (Skylab and ISS), Former Director, NASA MSFC
- *Jim Odom* – The Great Observatories (Hubble and Chandra), NASA Retiree, Former Hubble Project, NASA MSFC

**Laying the Foundation for the Future**

- *Todd May* – The Next Generation Vehicles, Associate Director Technical, NASA MSFC
- *Andrew Keys* – Game Changing Technology for the Future, NASA MSFC
- *Robert Lightfoot* – Leading the Future, Director, NASA MSFC

**3:30 Winning Student Poster Displays (Lobby)**

**3:45 Adjourn**

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**WERNHER VON BRAUN MEMORIAL DINNER**

*New Davidson Center at the US Space and Rocket Center*

**5:30 Reception**

**7:00 Dinner**