



8th Wernher von Braun Memorial Symposium

***Space Exploration and Discovery:
Expanding Human Knowledge***

October 27-29, 2015

**Chan Auditorium
Business Administration Building
The University of Alabama in Huntsville
301 Sparkman Drive
Huntsville, AL 35899**

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

Media Sponsor – *SpaceNews*

Education Sponsor – *Aerojet Rocketdyne*

Tuesday, October 27

6:00 pm **Welcome Reception**
University Center, Exhibit Hall – sponsored by The University of Alabama in Huntsville

Wednesday, October 28

7:00 am **AAS Corporate Members Breakfast** (Invitation Only)

7:00 am **Registration Opens / Networking / Continental Breakfast**
Business Administration Building, Lobby – sponsored by a.i. solutions

8:00 am **Welcome to Campus** *Chan Auditorium*
Dr. Robert Altenkirch, President, The University of Alabama in Huntsville

Welcome by AAS
Walt Faulconer, Executive Vice President

8:15 am **Marshall Space Flight Center Welcome**
Patrick Scheuermann, Director, NASA Marshall Space Flight Center

8:30 am **The Benefits of Space Exploration**
Moderator: Frank Moring, Jr., Senior Editor, *Aviation Week & Space Technology*
Panelists:

- Larry Price, Orion Deputy Program Manager, Lockheed Martin Space Systems Company
- John Elbon, Vice President and General Manager Space Exploration, Boeing Defense, Space & Security
- Julie Van Kleeck, Vice President, Space Advanced Programs, Aerojet Rocketdyne
- Brian Duffy, Propulsion Systems Division, Flight Systems Group, Orbital ATK
- Matt Mountain, President, Association of Universities for Research in Astronomy (AURA)
- Micheline Tabache, Head, Washington Office, European Space Agency

10:15 am **Break** – *sponsored by a.i. solutions*

10:30 am **Military Space Spotlight**
Lt Gen Samuel Greaves, USAF, Commander, Space and Missile Systems Center, Air Force Space Command, Los Angeles Air Force Base

11:00 am **Space Policy: Where Are We?**
Moderator: Jeff Bingham, Senior Advisor on Space, US Senate Commerce Committee (retired)
Panelists:

- Mark Dawson, Legislative Director for Rep. Robert Aderholt (R-AL)
- Nick Cummings, Minority Staff Director; Subcommittee on Space, Science and Competitiveness, Senate Committee on Commerce, Science and Transportation
- Mary Lynne Dittmar, President, Dittmar Associates

12:30 pm **Luncheon** *University Center, Exhibit Hall – sponsored by Boeing*
Guest Speaker: Robert Lightfoot, NASA Associate Administrator

- 2:00 pm **SLS and Orion Progress Report**
- John Honeycutt, Manager, Space Launch System Program Office, NASA Marshall Space Flight Center
 - Bill Hill, Assistant Deputy Associate Administrator, Exploration Systems Development, NASA Headquarters
 - Paul Marshall, Assistant Program Manager, Orion Program, NASA Johnson Space Center
 - Jennifer Kunz, Deputy Ground Systems Development and Operations Program Manager, NASA Kennedy Space Center
- 3:00 pm **Science Spotlight: “The Martian” – Science Fiction and Science Fact**
Jim Green, Director, Planetary Division, Science Mission Directorate, NASA Headquarters
- 3:30 pm **Break – sponsored by a.i. solutions**
- 4:00 pm **Sustaining a Healthy Space Transportation Industry**
Moderator: Mike Griffin, CEO, Schafer Corporation
Panelists:
- George Sowers, Vice President, Advanced Programs, United Launch Alliance
 - Josh Brost, Manager, Business Development, SpaceX
 - Jim Simpson, Senior Vice President, Strategy and Business Development, Aerojet Rocketdyne
 - Kent Rominger, Vice President, Strategy and Business Development, Propulsion Systems Division, Orbital ATK, Flight Systems Group
 - Steve Cook, Vice President of Corporate Development, Dynetics
- 6:00 pm **Reception and Student Poster Displays**
Burritt on the Mountain – Baron Bluff Building – sponsored by United Launch Alliance

Thursday, October 29

- 7:00 am **Registration Opens / Networking / Continental Breakfast**
Business Administration Building, Lobby – sponsored by Dynetics
- 8:00 am **Opening Speaker**
N. Wayne Hale, Jr., Director of Human Spaceflight, Special Aerospace Services, LLC; former NASA Space Shuttle Program Manager
- 8:30 am **Payoffs: The Next Five Years**
Moderator: Jody Singer, Manager, Flight Programs and Partnerships, NASA Marshall Space Flight Center
Panelists:
- Michele Gates, Program Director, Asteroid Redirect Mission, NASA Headquarters
 - Steve Jurczyk, Associate Administrator, Space Technology Mission Directorate, NASA Headquarters
 - Tommy Sanford, Executive Director, Commercial Spaceflight Federation
 - Greg Johnson, President and Executive Director, Center for the Advancement of Science in Space (CASIS)
 - Curt Niebur, Europa Mission Program Scientist, NASA Headquarters

- 10:00 am **Break** – *sponsored by Dynetics*
- 10:15 am **Mars Spotlight: Affordability and Sustainability**
Dan Dumbacher, Professor of Engineering Practice, School of Aeronautics and Astronautics Engineering, Purdue University
- 11:00 am **NASA’s Discovery & New Frontiers Program – New Missions**
Moderator: Dennon Clardy, Assistant Manager, Flight Programs and Partnerships Office, NASA Marshall Space Flight Center
Panelists:
 - Mike Ryschkewitsch, Head, Space Sector, JHU/Applied Physics Laboratory
 - Jim Garvin, Chief Scientist, NASA Goddard Space Flight Center
 - Dante Lauretta, Professor of Planetary Science and Cosmochemistry, Lunar and Planetary Lab, University of Arizona (PI for OSIRIS-REx)
 - Scott Bolton, Assistant Vice President, Southwest Research Institute, Space Science and Engineering Division (PI for Juno)
- 12:30 pm **Luncheon** *University Center, Exhibit Hall – sponsored by Lockheed Martin*
Guest Speaker: William Gerstenmaier, Associate Administrator, Human Exploration and Operations Mission Directorate, NASA Headquarters
- Announcement of Student Poster Awards**
- Presentation of Ordway Awards**
- 2:30 pm **Adjourn**

27th ANNUAL WERNHER VON BRAUN MEMORIAL CELEBRATION

– Davidson Center at the U.S. Space & Rocket Center

- 5:30 pm **Reception**
- 7:00 pm **Dinner**
Special Guest Speaker: Mike Massimino

Note: *The dinner is a separate event and is not included as part of the symposium registration. Information about the dinner is available at <http://spaceclubhsv.org/>*

Note: Presentations will be posted at <http://astronautical.org/>