



## **6th Wernher von Braun Memorial Symposium**

### **- Bringing Exploration Forward -**

October 7-10, 2013

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***

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**Co-sponsored by:**

***Boeing  
Lockheed Martin  
Northrop Grumman  
Orbital Sciences Corporation  
SpaceX  
United Launch Alliance***

## - Program -

### Monday, October 7

5:30 pm **Kick-off Networking Reception**  
University Center, Exhibit Hall - *sponsored by Orbital Sciences Corporation*

### Tuesday, October 8

7:30 am **Registration Opens / Networking / Continental Breakfast**  
Business Administration Building, Lobby - *sponsored by SpaceX*

8:30 am **Welcome to Campus** - Chan Auditorium  
Dr. Robert Altenkirch, President, The University of Alabama in Huntsville

**Welcome Remarks**  
Troy Trulock, Mayor of Madison *invited*

**Remarks by AAS Executive Vice President**  
Walt Faulconer, President, Strategic Space Solutions, LLC

9:00 am **Keynote**  
N. Wayne Hale, Jr., Director of Human Spaceflight, Special Aerospace Services, LLC; former NASA Space Shuttle Program Manager

9:45 am **Break** - *sponsored by SpaceX*

10:00 am **Roundtable: Exploration Going Forward with SLS and Orion  
– 2020 and Beyond**

Moderator: Mary Lynne Dittmar, CEO, Dittmar Associates, Inc.

Panelists:

- Julie Van Kleeck, Vice President, Space Advanced Programs, Aerojet Rocketdyne
- Charlie Precourt, Vice President & General Manager, Space Launch Division, Aerospace Group, ATK
- Virginia Barnes, Vice President & Program Manager, Exploration Launch Systems, Boeing
- Kim Doering, Manager, Space Systems Division, Dynetics
- Mark Kinnersley, Director, MPCV ESM Resident Liaison, Astrium North America Inc.
- Jim Crocker, Vice President and General Manager, Civil Space, Lockheed Martin Space Systems Company

12:00 pm **Luncheon** University Center, Exhibit Hall - *sponsored by Lockheed Martin*  
Guest Speaker: Jim Crocker, Vice President and General Manager, Civil Space, Lockheed Martin Space Systems Company

1:30 pm **Panel: Industry Perspectives from Washington Operations Executives**  
Moderator: Jeff Bingham, Senior Advisor to the U.S. Senate (retired)

Panelists:

- John Schumacher, Vice President for Business Relations, GenCorp/Aerojet Rocketdyne
- Pat Schondel, Vice President for Homeland Security, NASA, and Science & Technology, Boeing
- Carol Lane, Vice President and Lead Executive, Civil and Commercial Space, Ball Aerospace & Technologies Corp.
- Eric Thoemmes, Vice President, Space and Missile Defense Programs, Lockheed Martin Washington Operations
- Mark Bitterman, Vice President, Government Affairs and Communications, ULA
- Beth Rossman, Vice President, Government Relations, Honeywell

3:30 pm **Break** - *sponsored by SpaceX*

3:45 pm **Panel: Perspectives on Exploration**

Moderator: Gene Goldman, Executive Director, Space Programs, Aerojet Rocketdyne

Panelists:

- Dave King, Executive Vice President, Dynetics
- Doug Cooke, Owner, Cooke Concepts and Solutions
- Rick Chappel, Research Professor of Physics, Vanderbilt University; NASA MSFC (retired)
- Mike Griffin, Chairman & CEO, Schafer Corporation

5:45 pm **Reception & Student Poster Displays**

Burritt on the Mountain – Baron Bluff Building - *sponsored by United Launch Alliance*  
Special Guest: Dennis Tito

## Wednesday, October 9

7:15 am **Registration Opens / Networking / Continental Breakfast**

Business Administration Building, Lobby - *sponsored by Northrop Grumman*

8:00 am **Panel: Status of Commercial Cargo and Crew**

Moderator: Jeff Carr, Senior Vice President of Aerospace Communications, Griffin Communications

Panelists:

- John Mulholland, Vice President and Program Manager, Commercial Programs, Space Exploration, Boeing
- Frank Culbertson, Executive Vice President and General Manager, Advanced Programs Group, Orbital Sciences Corporation
- John Olson, Vice President, Space Systems, Sierra Nevada Corporation
- Rob Meyerson, President and Program Manager, Blue Origin
- Garrett Reisman, Commercial Crew Program Manager, SpaceX

10:00 am **Break** - *sponsored by Northrop Grumman*

10:15 am **Panel: The Role of Higher Education in Space Exploration**

Moderator: John Horack, Vice President, Space Systems Group, Teledyne Brown Engineering

Panelists:

- Bobby Braun, Professor, Aerospace Engineering, Georgia Institute of Technology
- Johann-Dietrich Wörner, Chairman of the Executive Board, German Aerospace Center (DLR)
- Gary Zank, Director, Center for Space Plasma and Aeronomic Research; Chair, Department of Space Science, UAHuntsville

11:45 am **Luncheon** University Center, Exhibit Hall - *sponsored by Boeing*

Guest Speaker: Fuk Li, Director of Mars Exploration, NASA Jet Propulsion Laboratory - "Latest Results from Curiosity"

**Announcement of Student Poster Awards**

1:45 pm **Panel: Privately Funded Space Activities**

Moderator: Jason Hundley, Founder, Zero Point Frontiers Corporation

Panelists:

- Will Pomerantz, Vice President for Special Projects, Virgin Galactic
- Hoyt Davidson, Founder & Managing Partner, Near Earth LLC
- Taber MacCallum, Golden Spike and Inspiration Mars
- Tim Pickens, Chief Propulsion Engineer, Moon Express
- John Horack, Vice President, Space Systems Group, Teledyne Brown Engineering

3:45 pm **Adjourn – Winning Student Poster Displays** - Lobby

**WERNHER VON BRAUN MEMORIAL DINNER**

- New Davidson Center at the US Space and Rocket Center

5:30 pm **Reception**

7:00 pm **Dinner**

Special Guest Speaker: Dennis Tito

**Note: The dinner is a separate event and is not included as part of the symposium registration. For information on the dinner go to [www.spaceclub-hsv.org](http://www.spaceclub-hsv.org)**

**Thursday, October 10**

**Optional Tour of the United Launch Alliance Atlas and Delta Rocket Production Facility**

**8:30 – 12:00**

Bus will depart from (and return to) the UAHuntsville Intermodal Parking Facility (Bldg. 16 on campus map)

- 1) Only U.S. Citizens/Persons are permitted on the tour.
- 2) Only one of the following documents is required for the tour other than a current U.S. driver's license:
  - A: United States Passport (unexpired or expired) or
  - B: Original or certified copy of a Birth Certificate issued by a state, county, municipal authority, or outlying possession of the United States, bearing an official seal.
- 3) No open toe shoes are permitted on the tour. Flat closed toe shoes preferred.
- 4) Those who RSVP will be required to re-confirm prior to boarding the ULA bus.
- 5) For further information, please contact Larry Richardson-ULA at 303-269-5505 or [larry.richardson2@ulalaunch.com](mailto:larry.richardson2@ulalaunch.com)