



## **9th Wernher von Braun Memorial Symposium**

### **Exploring the Universe and Maintaining U.S. Leadership in Space**

October 25-27, 2016

Charger Union Theater  
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**

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**Co-sponsored by:**

***Boeing  
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SpaceX  
UAH  
United Launch Alliance***



- 12:30 pm     **Luncheon**   Student Services Building - *sponsored by Boeing*  
Guest Speaker: Bill Hill, Deputy Associate Administrator, Exploration Systems  
Development, Human Exploration and Operations Mission  
Directorate, NASA Headquarters
- 2:00 pm     **Payloads for SLS' Exploration Missions**  
Moderator: Steve Creech, Deputy Manager, Spacecraft/Payload Integration and  
Evolution, Space Launch System Program, NASA MSFC  
Panelists:  
    ▪ Jitendra Joshi, Lead for Technology Integration, Advanced Exploration  
      Systems Division, Human Exploration & Operations Mission Directorate,  
      NASA Headquarters  
    ▪ Barry Goldstein, Manager, Europa Project, NASA Jet Propulsion  
      Laboratory  
    ▪ Joseph Pelfrey, Manager, Exploration and Space Transportation  
      Development Office, NASA MSFC  
    ▪ Monsi Roman, Centennial Challenges Program Manager, NASA  
      Headquarters
- 3:30 pm     **Break**   - *sponsored by Dynetics*
- 3:45 pm     **Millennial Spotlight**  
    ▪ Adam Bower, President, Space Hardware Club, UAH
- 4:00 pm     **Commercial Cargo and Crew Partnerships**  
Moderator: Phil McAlister, Director of Commercial Spaceflight Development,  
NASA Headquarters  
Panelists:  
    ▪ Frank DeMauro, Vice President & General Manager, Advanced Programs  
      Division, Space Systems Group, Orbital ATK  
    ▪ Gregg Burgess, Vice President of Engineering and Technology, Space  
      Systems Group, Sierra Nevada Corporation  
    ▪ Peter McGrath, Director, Global Sales & Marketing, Boeing Space  
      Exploration  
    ▪ Josh Brost, Director of Government Business Development, SpaceX
- 5:30 pm     **Adjourn**
- 6:15 pm     **Reception and Student Poster Displays**  
Burritt on the Mountain – Baron Bluff Building  
- *sponsored by United Launch Alliance*

## **Thursday, October 27**

- 7:00 am     **Registration Opens / Networking / Continental Breakfast**  
Charger Union - *sponsored by SpaceX*
- 8:00 am     **Opening Speaker** Charger Union Theater  
Dava Newman, Deputy Administrator, NASA Headquarters

- 8:30 am **Launch Vehicle Reusability: What Makes Sense?**  
Moderator: Dan Dumbacher, Professor of Engineering Practice, School of Aeronautics and Astronautics Engineering, Purdue University  
Panelists:
- Jess Sponable, XS-1 Program Manager, DARPA
  - John Reed, Senior Technical Fellow, Mission Design & Advanced Programs, ULA
  - Holger Wentscher, Senior Vice President, RUAG Space
  - Mike Griffin, CEO, Schafer Corporation
  - Lisa Watson Morgan, Director, Spacecraft & Vehicle Systems Department, Engineering Department, NASA MSFC
  - Sam Gunderson, Manager, Business Development, Blue Origin
  - Josh Brost, Director of Government Business Development, SpaceX
- 10:00 am **Break** - *sponsored by SpaceX*
- 10:15 am **Expanding the Space Economy**  
Moderator: Jason Crusan, Director, Advanced Exploration Systems Division, Human Exploration and Operations Mission Directorate, NASA Headquarters  
Panelists:
- Steve Cook, Vice President Corporate Development, Dynetics
  - Mike Gold, Vice President, Washington Dc Operations, Space Systems Loral
  - TBD, Bigelow Aerospace
  - TBD, Hamilton Sundstrand/UTC
- 11:45 am **Millennial Spotlights**
- Christina Hammock Koch, NASA Astronaut, Class of 2013
  - Michael P. J. Benfield, Principle Research Engineer, Assistant Research Professor, UAH
- 12:30 pm **Luncheon** Student Services Building  
- *sponsored by Lockheed Martin*  
Guest Speaker: Donald Pettit, NASA Astronaut  
**Announcement of Student Poster Awards**  
**Presentation of Ordway Awards**
- 2:30 pm **Adjourn**
- 3:00 pm **Memorial Service for Dr. George E. Mueller**  
Charger Union Theater
- 28th ANNUAL WERNHER VON BRAUN MEMORIAL DINNER**  
- Davidson Center at the US Space & Rocket Center
- 5:30 pm **Reception**
- 7:00 pm **Dinner** Special Guest Speaker: The Honorable Harrison H. Schmitt

**Note: The dinner is a separate event and is not included as part of the symposium registration. For information on the dinner go to <http://spaceclubhsv.org/von-braun-memorial-dinner/>**

## **Friday, October 28 (optional)**

8:30 – 12:00 **Tour of the United Launch Alliance Atlas and Delta Rocket Production Facility** (limited to 50 spots; first-come, first served)

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

- 1) Only U.S. Citizens/Persons are permitted on the tour.
- 2) Required for the tour: Valid U.S. government agency picture I.D. such as a driver license, passport or other government-issued I.D.
- 3) Visitor Rules:
  - A. This will be a walking tour, so wear comfortable shoes. Please inform ULA if you are unable to walk the tour and we will make every effort to accommodate you.
  - B. No open-toed or high-heeled shoes over two inches in production areas. Flat closed toe shoes preferred.
  - C. No cameras (If cell phone/PDA has a camera capability, the camera function **is not to be used** while visiting ULA)
  - D. No laptops or voice recorders
  - E. No shorts in production areas
- 4) Those who RSVP will be required to re-confirm prior to boarding the ULA bus.
- 5) For further information, please contact Alecia Kinn Lauer at 303-269-5346 or [alecia.j.kinn@ulalaunch.com](mailto:alecia.j.kinn@ulalaunch.com)