



The Inaugural **John Glenn** Memorial Symposium

*Powering Innovation
from the Sky to the Stars*

July 10-12, 2019
Huntington Convention Center of Cleveland
Cleveland, Ohio

An American Astronautical Society Symposium

in conjunction with the

NASA Glenn Research Center



American Astronautical Society

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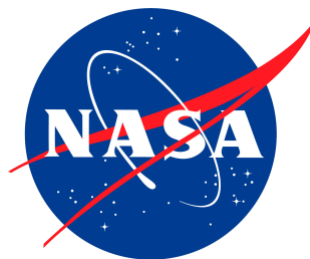
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Program

Wednesday, July 10

- 1:00 pm **Tour: NASA Glenn Test Facility**
- 6:00 pm **Glenn Symposium Welcome Reception** – *Great Lakes Science Center*
Sponsored by Aerojet Rocketdyne

Thursday, July 11

- 7:00 am **AAS Corporate Members Breakfast** (*Invitation Only*)
- 7:00 am **Registration / Networking / Continental Breakfast**
- 8:00 am **Introduction and Welcome** –
• Jim Way, Executive Director, American Astronautical Society
- 8:15 am **Opening Remarks**
• Janet Kavandi, Director, NASA Glenn Research Center
- 8:30 am **Opening Speaker**
- 9:00 am **We're Big Fans: A Discussion of Atmospheric Propulsion**
• Darin DiTommaso, General Manager, Advanced Technology Operation, General Electric
• Mark Wilson, Chief Operating Officer, Rolls-Royce
• Geoff Hunt, Senior Vice President, Engineering, Pratt & Whitney
- 10:05 am **Back to the Moon: The Lunar Gateway**
• William H. Gerstenmaier, Associate Administrator, Human Exploration and Operations, NASA HQ
- 10:25 am **Networking Break**
- 10:45 am **Macauley Grant Winning Presentations**
- 11:05 am **Fly Softly: Advances in Low Boom Supersonics**
• Ed Waggoner, Director, Integrated Systems Research Program, ARMD, NASA HQ (Moderator)
• David Richardson, Director, Air Vehicle Design & Technology, Skunk Works, Lockheed Martin Aeronautics Company
- 12:15 pm **Luncheon with Guest Speaker**

- 1:45 pm **Making It Happen: Critical Technologies Investments**
- Douglas Terrier, Chief Technology Officer, NASA HQ (Moderator)
 - Ken Bowersox, Deputy Associate Administrator, Human Exploration and Operations, NASA HQ
 - Jim Reuter, Associate Administrator, Space Technology Mission Directorate, NASA HQ
 - Jaiwon Shin, Associate Administrator, Aeronautics Research Mission Directorate, NASA HQ
 - Thomas Zurbuchen, Associate Administrator, Science Mission Directorate, NASA HQ
- 2:50 pm **The Legacy of John Glenn**
- David Glenn, Son of John Glenn
- 3:10 pm **Networking Break**
- 3:30 pm **Space Propulsion**
- Trudy Kortez, Chief, Human Exploration & Space Operations, NASA Glenn Research Center (Moderator)
 - Jonathan Cirtain, Vice President, Advanced Technology Programs, BWX Technologies
 - Jim Maser, Senior Vice President, Space, Aerojet Rocketdyne
 - Mitchell Walker, Professor of Aerospace Engineering, Georgia Tech-College of Engineering
- 4:35 pm **Space Power Systems**
- Carol Lane, President, American Astronautical Society (Moderator)
 - Tracey Bishop, Deputy Assistant Secretary for Nuclear Infrastructure Programs Office of Nuclear Energy, US Department of Energy
 - John Hamley, Manager, Radioisotope Power Systems Program, NASA Glenn Research Center
 - Greg Semrau, Senior Special Projects Engineer, Moog Inc., Space and Defense Group
 - Larry Trager, Director, In-Space Power Systems, Aerojet Rocketdyne
- 6:00 pm **Reception**

Friday, July 12

7:00 am **Registration / Networking / Continental Breakfast**

8:00 am **Speaker**

8:20 am **Communications and Autonomy**

- Thomas Kashangaki, Systems Director, The Aerospace Corporation (Moderator)
- Dawn Emerson, Chief, Communications and Intelligent Systems, NASA Glenn Research Center
- Nelli Mosavi, Van Allen Probes Project Manager, Space Exploration Sector, Applied Physics Laboratory, Johns Hopkins University
- Badri Younes, Deputy Associate Administrator, Space Communications and Navigation, NASA HQ

9:25 am **Humans Returning to the Moon – More than Flags and Footprints**

- Janet Kavandi, Director, NASA Glenn Research Center (Moderator)
- Scott Altman, Senior Vice President, Civil Operations, ASRC Federal
- Robert Curbeam, Vice President, Strategy and Business Development, Space Systems, Northrop Grumman Innovation Systems
- Steve Lindsey, Vice President, Space Exploration Systems, Sierra Nevada Corporation
- Sandy Magnus, Executive Director Emeritus, American Institute of Aeronautics and Astronautics

10:30 am **Networking Break**

10:50 am **Hypersonics**

- Mark Lewis, Director, Science and Technology Policy Institute, Institute for Defense Analyses
- Rodney Bowersox, Director, Texas A&M National Aerothermochemistry and Hypersonics Laboratory
- Jay Dryer, Deputy Associate Administrator, Aeronautics Research Mission Directorate, NASA HQ

12:00 pm **Luncheon and Awards Presentations with Guest Speaker**

- Charlie Bolden, Former NASA Administrator, Former Astronaut

Thank you to the 2019 Planning Committee

Janet Kavandi, Honorary Chair – NASA Glenn Research Center

Gale Allen – ASGSR
Vince Bilardo – The Aerospace Corporation
Ron Birk – The Aerospace Corporation
Michael Ciancone – NASA Johnson Space Center
Alan DeLuna – American Astronautical Society
Josh Freeh – NASA Glenn Research Center
Rebecca Griffin – Griffin Space
Carlos Grodsinsky – Zin Technologies

Ashley Gudzak – Aerojet Rocketdyne
Lori Manthey – NASA Glenn Research Center
Kathy Nado – NASA HQ
Marla Pérez-Davis – NASA Glenn Research Center
Patrick Rouin – American Astronautical Society
Brett Silcox – BWX Technologies
Frank Slazer – Aerojet Rocketdyne
Jim Way – American Astronautical Society

Thank you for attending the Glenn Symposium

Please join us at these upcoming events:

International Space Station Research & Development Conference

July 29 – August 1, 2019 | Atlanta, Georgia
issconference.org

12th Annual Wernher von Braun Memorial Symposium

September 10-12, 2019 | Huntsville, Alabama
astronautical.org/vonbraun



Founded in 1954, The American Astronautical Society is the premier network of current and future space professionals dedicated to advancing all space activities.

AAS has long been recognized for the excellence of its national meetings, technical meetings, symposia and publications and for their impact on shaping the U.S. space program. Members have opportunities to meet with leaders in their field and in related disciplines, exchange information and ideas, discuss career aspirations and expand their knowledge and expertise.

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