



The 2nd Annual **John Glenn Memorial Symposium**

*Powering Innovation
from the Sky to the Stars*

July 15-17, 2020

11:00 AM – 3:30 PM EST

An American Astronautical Society Symposium

in conjunction with the

NASA Glenn Research Center



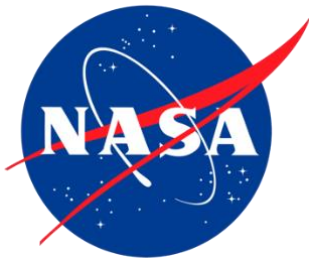
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NASA Glenn Research Center

Case Western Reserve University

Wednesday, July 15

11:00 am **Welcome Remarks**

- Carol Lane, President, American Astronautical Society
- Marla Pérez-Davis, Center Director, NASA GRC

11:15 am **Keynote Speaker**

- Jim Bridenstine, Administrator, NASA HQ

11:45 am **Artemis, an update on SLS, Orion and Ground Systems**

- Marcia Lindstrom, Strategic Communications Manager, NASA MSFC (Moderator)
- Andrew Allen, Vice President and General Manager, Jacobs Space Operations Group
- Charlie Precourt, Vice President and General Manager, Propulsion Systems, Northrop Grumman Space, Former NASA Astronaut
- Jim Maser, Senior Vice President, Aerojet Rocketdyne
- John Shannon, Vice President and Program Manager, Space Launch System, Boeing
- Kerry Timmons, Systems Engineering Design & Integration Senior Manager, Orion Program, Lockheed Martin Space

12:45 pm **Luncheon Break**

1:15 pm **Workforce and Education**

- Barbara R. Snyder, President, Case Western Reserve University (Moderator)
- Lisa Callahan, VP and General Manager, Commercial Civil Space, Lockheed Martin Space
- Eileen Collins, Chair of the Education and Outreach Committee of the User Advisory Group (UAG) of the National Space Council (NSpC)
- Steve Jurczyk, Associate Administrator, NASA HQ

2:15 pm **Macauley Award Winning Presentation**

- Dennis Nikitaev, University of Alabama in Huntsville

2:30 pm **Nuclear Thermal Propulsion**

- Jim Free, Chief Operating Officer and Senior Consultant, Lead Off the X (Moderator)
- John Abrams, Vice President, Advanced Projects, Analytical Mechanics Associates
- Ryan Whitley, Director of Civil Space Policy, National Space Council

Thursday, July 16

11:00 am **Gateway Update**

- Vince Bilardo, Senior Executive Program Director, NASA Programs, Maxar Space Solutions
- Dave Oberg, HALO Program Manager, Northrop Grumman
- Jon Olansen, Gateway Production Manager, NASA JSC

11:30 am **Evolution of Power Synergies – How Payloads and Visions Drive Launch Vehicles**

- Janet Karika, Principal Advisor for Space Transportation, NASA HQ

12:00 pm **Policy**

- Marcia Smith, Founder and Editor, SpacePolicyOnline.com
- Representative Adam Holmes (R), Ohio House District 97
- Joel Graham, Professional Staff Member, Senate Commerce, Science and Transportation Committee
- Pam Whitney, Subcommittee on Space and Aeronautics, House Committee on Science, Space, and Technology
- Col. Joseph Zeiss, Senior Advisor for Aerospace and Defense to Ohio Governor, Mike DeWine

1:00 pm **Luncheon Break**

Guided Virtual Tour of Electric Propulsion and Power Laboratory (EPPL)

- Mike McVetta, Mechanical Test Engineer, NASA GRC

1:30 pm **In-Space Power Systems**

- James Reuter, Associate Administrator, STMD, NASA HQ (Moderator)
- Karin Bozak, Project Engineer, NASA GRC
- Darwin Remington, Chief Project Engineer, Moog
- Joe Troutman, Manager, Business Development, Medical and Space, EnerSys
- June Zakrajsek, RPS Program Manager, NASA GRC

2:30 pm **In-Space Electric Propulsion**

- James Reuter, Associate Administrator, STMD, NASA HQ (Moderator)
- Jorge Delgado, Vice President, Apollo Fusion Inc.
- Andy Hoskins, In-space Propulsion Business Development, Aerojet Rocketdyne
- David Jacobson, Chief, Electric Propulsion Systems Branch, NASA GRC
- Mitchell Walker, Professor, Laboratory Director, High-Power Electric Propulsion Lab, Georgia Tech

Friday, July 17

- 11:00 am **Speaker**
- Kathy Lueders, Associate Administrator, HEO, NASA HQ
- 11:45 am **The Future of Aircraft Propulsion**
- Bob Pearce, Associate Administrator, ARMD, NASA HQ (Moderator)
 - Arjan Hegeman, General Manager, Advanced Technologies Operation, GE Aviation
 - Jimmy Kenyon, Director, Advanced Air Vehicles Program, NASA HQ
 - Tim McCartney, Director, Aeronautics, NASA GRC
 - Frank Preli, Vice President, Engineering, Propulsion & Materials Technologies, Pratt & Whitney
- 12:45 pm **Luncheon Break**
Guided Virtual Tour of Simulated Lunar Operations Laboratory (SLOPE)
- Erin Rezich, Aerospace Engineer, GRC
- 1:15 pm **Advances in Aerospace Communications**
- Akbar Sultan, Director, Airspace Operations and Safety Program, ARMD, NASA HQ (Moderator)
 - Parimal Kopardekar, Director, NASA Aeronautics Research Institute, NASA ARC
 - Paul Nelson, Integration Manager for Cybersecurity and Communications, NASA GRC
 - Jennifer Richter, Partner, Akin Gump
 - Badri Younes, Deputy Associate Administrator, Space Communications and Navigation, NASA HQ
- 2:15 pm **Macauley Award Winning Presentation**
- Hang Woon Lee, Georgia Tech
- 2:30 pm **20 Continuous Years of Humans in Orbit – The GRC Story**
- Joel Kearns, Director, Facilities, Test and Manufacturing, NASA GRC (Moderator)
 - Daniel Dietrich, Project Scientist, NASA GRC
 - Ryan Reeves, Program Director, Advanced Materials, ISS U.S. National Laboratory
 - David Urban, Branch Chief, NASA GRC
 - Mark Weislogel, Professor, Fluidics Research, Portland State University
- 3:30 pm **Closing Remarks**
- Marla Pérez-Davis, Center Director, NASA GRC

Thank you to the 2020 Planning Committee

Chair: Marla Pérez-Davis – NASA Glenn Research Center

Industry Co-Chair: Steve Witkowski – Moog

Gale Allen – ASGSR
Zacch Ashcraft – NASA Glenn Research Center
Ron Birk – The Aerospace Corporation
Anne Borchert – Case Western Reserve University
Michael Ciancone – NASA Johnson Space Center
Chris Crumbly – University of Tennessee Space Institute
Alan DeLuna – American Astronautical Society
Jim Free - Lead Off the X
Rebecca Griffin – Griffin Space
Carlos Grodsinsky – Zin Technologies
Molly Kearns – NASA Glenn Research Center
Carol Lane – American Astronautical Society

Lori Manthey – NASA Glenn Research Center
Kathy Nado – NASA HQ
Marla Pérez-Davis – NASA Glenn Research Center
Ashley Riser – Aerojet Rocketdyne
Joe Rosche – Aerospace Corporation
Sarah Robertson - American Astronautical Society
Patrick Rouin – American Astronautical Society
Brett Silcox – BWX Technologies
Frank Slazer – Aerojet Rocketdyne
Jim Way – American Astronautical Society
Robert Wright – Dynetics
Chris Zorman – Case Western Reserve University

Thank you for attending the Glenn Symposium

Please join us at our upcoming event:

13th Annual Wernher von Braun Memorial Symposium

October 26-28, 2020 | 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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