



THE 3RD ANNUAL John Glenn Memorial Symposium

*Convergence: Deep Space, Near Space,
and Aeronautics Coming Together*

July 13-15, 2021 | Online
11:00am-4:00pm EST

An American Astronautical Society Symposium

in conjunction with

**NASA Glenn Research Center
Case Western Reserve University**



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NASA Glenn Research Center

Case Western Reserve University

Tuesday, July 13

11:00 am **Welcome Remarks**

- Alan DeLuna, President, American Astronautical Society
- Eric Kaler, President, Case Western Reserve University
- Marla Pérez-Davis, Center Director, NASA Glenn Research Center

11:25 am **Keynote Speaker**

- Jim Reuter, Associate Administrator,
NASA Space Technology Mission Directorate

11:55 am **Commercialization: Finding a Balance**

- Carissa Christensen, Chief Executive Officer, BryceTech
- Karina Drees, President, Commercial Spaceflight Federation
- Philip McAlister, Director, Commercial Spaceflight, NASA HQ
- Roger Launius, Principal, Launius Historical Services

12:55 pm **Luncheon Break**

1:25 pm **Macauley Award Winning Presentation**

- Alex Koenig, Undergraduate Student at MIT Departments of Aeronautical & Astronautical Engineering and Physics

1:40 pm **Really Remote Working: Virtual Reality Advances and Challenges**

- Dustin Tyler, Director of Human Fusions, CWRC (Moderator)
- Beth Lewandowski, Biomedical Research Engineer, NASA Glenn
- Chris White, General Manager, Microsoft Research
- JD Polk, Chief Health and Medical Officer, NASA
- Veronica Santos, Associate Dean of Equity, Diversity, and Inclusion, & Professor Mech & Aerospace Engineering, UCLA

2:40 pm **Glenn Extra Speaker**

- Jeffrey A. George, Lunar Architecture Lead, NASA HEO/SE&I

3:00 pm **The Right Stuff: Nurturing the Mid-Career STEM Workforce**

- Felipe Gomez del Campo, CEO, FGC Plasma Solutions (Moderator)
- Amelia Nihil, HR Business Partner, Space Sector, MOOG, Inc.
- Carlos Grodsinsky, Chief Operating Officer, ZIN Technologies
- Dr. Debbie Augustin, Deputy Director, Office of Human Resources, NASA GRC

Wednesday, July 14

11:00 am Keynote Speaker

- Bill Nelson, Administrator, NASA

11:30 am Artemis Deep Space Gateway Update

- Sean Fuller, International Partner Manager, NASA Gateway (Moderator)
- Frank De Winne, ESA ISS Programme Manager
- Fumiya Tsutsui, Program Manager, JAXA Gateway
- Ken Podwalski, CSA Gateway Program Manager
- Sally Richardson, HALO Sr. Program Director, Northrop Grumman Corporation
- Scott Tilley, PPE Program Chief Architect, MAXAR, NASA

12:30 pm Technology for Surface Exploration

- Jim Zakrajsek, Chief, Materials and Structures Division, NASA GRC (Moderator)
- Chris Culbert, Program Manager, NASA CLPS
- Jonathan Ransom, Deputy Director for Structures & Materials, NASA LRC
- Joyce Dever, Deputy Chief, Materials and Structures Division, NASA GRC
- Liana Rodriggs, Project Manager for xEMU Project, NASA JSC

1:30 pm Break

2:00 pm Surface Power: Did Someone Bring a Charger?

- Walt Engelund, Deputy Associate Administrator for Programs, Space Technology Mission Directorate, NASA HQ (Moderator)
- Christine Edwards, Commercial Civil Space Deputy Exploration Architect, Lockheed Martin Space
- Douglas Craig, Strategic Analysis Manager (acting), NASA HEOMD SE&I
- Joe Cassady, Executive Director, Space, Washington Operations, Aerojet Rocketdyne
- Mike Provenzano, Director of Planetary Mobility, Astrobotic

3:00 pm Roadmap to Nuclear Space: Challenges for Propulsion

- John Horack, Senior Associate Dean, College of Engineering, The Ohio State University, Mechanical and Aerospace Engineering Dept. (Moderator)
- Bhavya Lal, Senior Advisor for Budget and Finance, NASA HQ
- Mike Beavin, Special Projects – Committee on Science, Space, and Technology, U.S. House of Representatives
- Tracey Bishop, Deputy Assistant Secretary, Nuclear Infrastructure Programs Office of Nuclear Energy, US Department of Energy

Thursday, July 15

11:00 am **Opening Comments**

11:10 am **Keynote Speaker**

- Jeff Shesol, Founding Partner, West Wing Writers; Author, *Mercury Rising*

11:40 am **Getting There Faster: Accelerating Hypersonics Development**

- Rodney Bowersox, Professor and Associate Dean for Research, Texas A&M (Moderator)
- Eric Marineau, Program Officer, Office of Naval Research
- General David Stringer, Director of Neil A. Armstrong Test Facility, NASA GRC
- MaryJo Long-Davis, Deputy Project Manager, NASA Hypersonic Technology Project

12:40 pm **Break**

1:10 pm **Macauley Award Winning Presentation**

- Paula Do Vale Pereira, Ph.D., Massachusetts Institute of Technology

1:25 pm **Sustainable Aviation**

- Robert Pearce, Associate Administrator, NASA (Moderator)
- Jim Heidmann, AATT Project Manager, NASA
- Chris Lorence, Chief Engineer and General Manager, Aviation, GE
- Jimmy Kenyon, Director of Advanced Air Vehicles Program, NASA
- Michael Winter, Senior Fellow Advanced Technology, Pratt & Whitney

2:25 pm **GlennExtra – Celebrating 80 Years of the Glenn Research Center**

- Anne Mills, Records Manager, NASA

2:45 pm **From Chaos, Order: Autonomy and Traffic Management**

- Kevin O’Connell, Founder and CEO, Space Economy Rising, LLC (Moderator)
- Colonel Nathan Diller, Director, AFWERX
- Dr. Moriba Jah, Associate Professor, Department of Aerospace Engineering and Engineering Mechanics
- Fred Judson, ODOT/DriveOhio Director, Ohio UAS Center
- Patrick Besha, Senior Policy Advisor, NASA

3:45 pm **Closing Remarks**

Thank you to the 2021 Planning Committee

Chair: Marla Pérez-Davis, NASA Glenn Research Center

Industry Co-Chair: Steve Witkowski, Moog

Gale Allen, G-Allen Strategies, LLC
Debbie Batson, Teledyne Brown Engineering
Riccardo, Bevilacqua, Emrby Riddle University
Anne Borchert, Case Western Reserve University
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14th Annual Wernher von Braun Memorial Symposium

October 12-14, 2021 | Huntsville, Alabama

astronautical.org/vonbraun



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