GLENN SPACE TECHNOLOGY SYMPOSIUM

Increasing the Thrust of Space Sustainability

Cleveland, OH | July 15-17 | Tinkham Veale University Center

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Monday, July 15

1:00 pm  **Opening Remarks**  
- **Ron Birk**, President, American Astronautical Society  
- **Eric Kaler**, President, Case Western Reserve University  
- **Dawn Schaible**, Deputy Director, NASA Glenn

1:30 pm  **Space for All: Commercial Partnerships Perspectives**  
- **Brandon White**, Center Technology Transition Lead, NASA Glenn  
- **Brian Cayton**, PPE Project Manager, Maxar  
- **Jim D’iorio**, Business and Technical Lead, Apech Labs  
- **Alex MacDonald**, Chief Economist, NASA  
- **Umair Siddiqui**, Chief Technology Officer, PhaseFour  
- **Al Tadros**, Chief Technology Officer, Redwire

2:45 pm  **No Bucks, No Buck Rogers**  
- **Mike French**, Space Policy Group/Boston Consulting  
- **Christina Chaplain**, Space Analyst  
- **Frank Slazer**

3:40 pm  **Networking Break**

4:20 pm  **Technology Gaps and Priorities**  
- **A.C. Charania**, Chief Technologist, NASA  
- **Walt Engelund**, Deputy Associate Administrator for Programs, Space Technology Mission Directorate, NASA  
- **Dawn Schaible**, Deputy Director, NASA Glenn

5:15 pm  **Opening Reception with Student Poster Contest**
Tuesday, July 16

8:00 am  Networking Breakfast

9:00 am  Pushing Capabilities: Sustainable Propulsion Options
- Dave Manzella, Senior Technologist for In-Space Propulsion, NASA Glenn (Moderator)
- Joe Cassady, Director for Civil Space Programs, Washington Operations, L3Harris
- Jim Grossnickle, Associate Technical Fellow, Boeing
- Craig Smugeresky, Technical Fellow, Blue Origin
- Taylor Winkelman, Deputy Program Manager, Maxar

9:55 am  Aviation Sustainability in the Future
- Michael Winter, RTX Principal Fellow for Advanced Technology; AIA Sustainable Aviation Committee Chair (Moderator)
- Dominic Barone, Senior Manager, Future Flight Concepts, Boeing
- Kathleen Mondino, Manager, RISE Technology Maturation, GE Aerospace
- Tony Nerone, Project Manager, Hybrid Thermally Efficient Core (HyTEC) Project, NASA Glenn
- Pat Ward, Director, Government & Defense, The Air Company

10:50 am  Networking Break

11:30 am  Building a Sustainable Workforce
- Casey Swails, Deputy Associate Administrator, NASA (Moderator)
- Erica Breitenbach, Talent Acquisition Manager, L3Harris
- Brian Davis, Associate Dean, Washkewicz College of Engineering, Cleveland State University
- Tim Hale, Program Manager, Ohio Space Grant Consortium, Ohio Aerospace Institute
- Keri Zipay, Director of Business Development, Team NEO
- Chris Zorman, Associate Dean for Research, Case School of Engineering; F. Alex Nason Professor, Dept of Electrical, Computer and Systems Engineering, Case Western Reserve University; Director, Microfabrication Laboratory

12:30 pm  Luncheon Keynote and Awards Presentation
- Charity Weeden, Associate Administrator for Technology, Policy, and Strategy, NASA

2:15 pm  Glenn Research Center Tour (Optional)

5:00 pm  Reception – Jolly Scholar, Case Western Reserve University
Wednesday, July 17

8:00 am  Networking Breakfast

9:00 am  At Your Watts End: Providing Power in Space
- Georgette Alexander Morrison, Vice President, Capture and Proposal Management and Space Nuclear Program Advocate, X-Energy (Moderator)
- Dan Hendrickson, Vice President of Business Development, Astrobotic
- Lindsay Kaldon, Project Manager, Fission Surface Power Space Technology Project, NASA Glenn
- Pete McGrath, Chief Operating Officer, Intuitive Machines
- Andy Presby, Project Manager, Space Nuclear Propulsion, NASA Glenn

9:55 am  GlennExtra: Extending the Borders of Human Space Exploration: Back to the Moon and Beyond
- Ramona Gaza, Orion Radiation Deputy System Manager & MARE-HHPC Science Team Lead, Space Radiation Analysis Group, NASA Johnson

10:20 am  Advanced Space Radiation Detector Systems
- John Wrbanek, Aerospace Technologist, Sensors and Transducers, NASA Glenn
- Susan Wrbanek, Research Engineer, NASA Glenn

10:50 am  Networking Break

11:20 am  GlennExtra: GRC Aerospace Communications Facility
- Dawn Emerson, Chief, Communications and Intelligent Systems Division, NASA Glenn

11:35 am  Lunar Surface Communications Architecture
- Rich Reinhart, Senior Technologist for Aerospace Communications, NASA Glenn. (Moderator)
- Thierry Klein, President, Nokia Bell Labs Solutions Research
- Ray Wagner, Principal Investigator, Lunar 3GPP, NASA Johnson
- Michael Zemba, Principal Investigator, Lunar Surface Propagation, NASA Glenn

12:30 pm  Luncheon Keynote: The Story of Odysseus, the IM-1 Lunar Mission
- Pete McGrath, Chief Operating Officer, Intuitive Machines
Thank you to the 2024 Planning Committee

**Chair:** Jimmy Kenyon, NASA Glenn  
**Industry Co-Chair:** Steve Witkowski, Moog, Inc.

Georgette Alexander-Morrison, X-Energy  
Justin Bail, The Aerospace Corporation  
Janet Barth, Miller Engineering & Research Corporation  
Debbie Batson, Teledyne Brown Engineering  
Laurent Biddlecomb, CWRU  
Samantha Caballero, MAXAR  
Michael Ciancone, AAS  
Jerry Cook, Deloitte  
Jacqueline Cortese, Blue Origin  
Marty Frederick, Northrop Grumman  
Steve Fening, CWRU  
Ya-Ting Liao, CWRU  
Dawn Love, Advanced Space  
Omar Mahmoud, Redwire  
Lori Manthey, NASA Glenn  
Peter McCallum, The Aerospace Corporation  
Mayra Montrose, L3Harris  
Bruce Morris, Sierra Space  
Carie Mullins, BryceTech  
Josh Parker, BWX Technologies, Inc.  
Charles Scales, Sierra Lobo  
Ben Shelton, Argo Navis  
Brett Silcox, Astroscale  
Frank Slazer, Independent  
Raye Sledge, NASA Glenn  
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Marta Szotakova, AAS  
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