CALL FOR PARTICIPATION

The 26th annual Ground System Architectures Workshop (GSAW) provides a forum for the world's space-related ground system experts to collaborate with other ground system users, developers, and researchers through tutorials, presentations, working groups, panel discussions, and technical exhibits. GSAW will be completely online. To keep everyone safe and to accommodate the growing number of international participants, we will make most GSAW content available on-demand with the ability to comment, ask questions, and share answers.

Over the past twenty-five years, GSAW has been a voice and resource for the ground systems community. The collaborative community of users, developers, vendors, and researchers has shared best practices and lessons learned in an evolving global space enterprise. The GSAW 2022 theme, "Driving Innovation for Enterprise Integration," invites you to share your ideas, emerging technologies, and roadmaps for the future with the ground system community. The focus is to develop integrated enterprise solutions that extend beyond individual programs, customers, and mission areas, enabling more capability and resiliency. In an integrated enterprise, each of the pieces connecting and sharing knowledge provides greater possibilities for current systems and future architectures. Technologies such as digital engineering, cloud, and AI enable the evolution of large, complex enterprise systems. Commercial and New Space domains bring innovative approaches and partnerships for ground systems services and operations. We are looking to the ground systems community to share their insights, perspectives and approaches from their enterprise.

Areas of interest include but are not limited to experiences, leading-edge practices, lessons learned, and research in a range of ground system topics including:

- Data science, engineering, fusion, analytics, and exploitation
- Intelligent/cognitive systems, machine learning, and autonomy
- Model-based and digital engineering
- Cyber security and resilience
- Agile, DevSecOps, and rapid system development
- Mission assurance and risk management
- Roadmaps and reference architectures
- Space-ground communications

- Virtualization, containers, and the cloud
- Interoperability, compatibility, and standards
- Creative business, partnership, and acquisition models
- Service-based operations
- Situational awareness
- Cost, schedule, governance, and data rights
- Enablers for interagency cooperation
- Innovation in integrating legacy systems
- Post-pandemic workforce and operations innovations

Please note that due to the virtual format of the workshop, in addition to submitting charts, most presenters will be asked to record and submit a video of their presentation.

We encourage you to submit abstracts by October 25, 2021 for the following opportunities:

- **Presentations** (20 minutes, recorded)
- **Tutorials** (Instruct a virtual 2½ hour session)
- **Working Groups** (Lead a 2½ hour collaborative session)
- **Technical Demonstrations** (20 minutes, recorded)

Classified Session:

To be held virtually on March 3. We are accepting abstracts for plenary presentations only. All attendees will be required to have a TS/SCI clearance

Proposal Instructions
http://gsaw.aero.org/cfp/forms

Presentation Details
http://gsaw.aero.org/cfp/guidelines

Deadlines
- **Abstracts/proposals due:** October 25, 2021
- **Notification of acceptance:** November 29, 2021
- **Accepted presentations due:** January 26, 2022

GSAW is sponsored by The Aerospace Corporation in cooperation with

- United States Space Force
- NASA/Jet Propulsion Laboratory, California Institute of Technology
- NASA Goddard Space Flight Center
- European Space Agency

- National Oceanic and Atmospheric Administration
- Software Engineering Institute
- University of Southern California, Center for Systems and Software Engineering

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