



Ground System Architectures Workshop Adapting Critical Operations

Starts March 1, 2021 | Special Online Series of Events

CALL FOR PARTICIPATION

We are taking this year's 25th annual Ground System Architectures Workshop completely online and plenary sessions are free! 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. GSAW will continue to be the forum for the world's space-related ground system experts to exchange solutions with other users, developers, vendors, and researchers.

The unprecedented events of this year have created challenges for all areas of space-related ground systems. Those challenges and your solutions have ensured that critical operations continue successfully. The GSAW 2021 theme, "Adapting Critical Operations," invites you to share your ideas, emerging technologies and roadmaps for the future with the ground system community. As the pandemic raced around the globe, it was clear that business-as-usual was simply not workable. Services we have all come to take for granted have changed. Technical challenges; workflow changes; shifting timelines; resource and staffing shortages; security issues; and other unexpected changes may have been experienced by ground system stakeholders. We are looking to the ground system community to share their innovative approaches in adapting their critical operations to successfully function through unexpected issues.

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
- Enterprise systems, reference architectures, and infrastructure
- Mission assurance and risk management
- Space-ground communications
- Human factors, workload, and effectiveness
- Virtualization, containers, and the cloud
- Mobile, lightweight, and geo-independent platforms
- Interoperability, compatibility, and standards
- Creative business and acquisition models
- Service-based operations
- Situational awareness
- Cost, schedule, governance, and data rights

GSAW is sponsored by The Aerospace Corporation in cooperation with

- United States Space Force
- Space and Missile Systems Center
- 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

Please note that due to the new, 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 21, 2020 for the following opportunities:

- Presentations (20 minutes, recorded)
- Tutorials (2-hour classes)
- Working Groups (2–3 hours)
- Technical Demonstrations (20 minutes, recorded)

Proposal Instructions

<http://gsaw.aero.org/cfp/forms>

Presentation Details

<http://gsaw.aero.org/cfp/guidelines>

Deadlines

- Abstracts/proposals due: October 22, 2020
- Notification of acceptance: November 19, 2020
- Accepted presentations due: February 5, 2021