



Ground System Architectures Workshop

Amplifying User Effectiveness: Automation, Augmentation, and AI/ML

Event: February 24–27, 2025 | Renaissance Los Angeles Airport Hotel
Classified Session: February 27, 2025 | The Aerospace Corporation, El Segundo, CA

CALL FOR PARTICIPATION

For 28 years, the Ground System Architectures Workshop (GSAW) has been a key voice for the ground system community. Join us at the 29th annual event, GSAW 2025, to discuss the theme of **“Amplifying User Effectiveness: Automation, Augmentation, and AI/ML.”**

With the growing proliferation of space-based capabilities, GSAW 2025 will have a particular focus on exploring advancements in automation, augmentation, and/or artificial intelligence (AI) and machine learning technologies that further the mission by making ground system users more effective. Other topics pertaining to ground system architectures, such as those listed below, are also welcome.

GSAW 2025, face-to-face networking opportunities will be emphasized for the international ground system community with in-person Tutorials, Working Groups, Plenary Presentations, Posters, Technical Exhibits, Evening Sessions, and Classified Sessions.

Ground system topics related to the following are of particular interest:

- ▶ Agile methodologies and DevSecOps
- ▶ Anomaly detection
- ▶ Architecture
- ▶ Cloud technology and virtualization
- ▶ Collaboration
- ▶ Communications
- ▶ Cybersecurity
- ▶ Data-related topics (analytics, engineering, fusion, governance, integration, virtualization)
- ▶ Development planning (including reference architectures, roadmaps, and blueprints)
- ▶ Digital techniques (engineering, threads, twins, model-based)
- ▶ Innovation
- ▶ Intelligent capabilities (AI/ML)
- ▶ Interoperability
- ▶ Mission management (including assurance, risk, acquisition, and cost/data governance)
- ▶ Mixed reality
- ▶ Operations (including process and remote operations)
- ▶ Resilience
- ▶ Situational awareness
- ▶ Standards
- ▶ Trusted autonomy
- ▶ User-centric design principles

We encourage you to submit abstracts by November 4, 2024, for the following opportunities:

**DEADLINE EXTENDED TO
NOVEMBER 4**

Tutorial	Instruct a half- or full-day session
Plenary Presentation	Present a 15-minute talk describing your work progress or case studies. Dr. Barry Boehm Award for Best Presentation
Working Group	Lead a four-hour collaborative session
Poster	Present a 30" × 40" poster on display during a 2.5-hour evening event (Tuesday evening)
Technical Exhibit	Reserve a table to demonstrate your products and capabilities during a 2.5-hour evening event (Tuesday evening)
Evening Session	Lead a 2.5-hour evening session (Wednesday evening)
Classified Session Plenary Presentation	Present a 15-minute talk describing your work progress or case studies during the Classified Session

Program Format:

In person

Location:

Renaissance Los Angeles Airport Hotel
 9620 Airport Boulevard
 Los Angeles, California

Classified Session:

In person on February 27, 2025, at The Aerospace Corporation in El Segundo, California. All attendees must possess a TS/SCI clearance and be a U.S. citizen. gsaw@aero.org for any questions.

Proposal Instructions and Submission Forms:

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

Presentation Guidelines:

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

Submission Deadlines

- ▶ November 4, 2024: last day to submit abstracts/proposals
- ▶ December 2, 2024: notification of acceptance
- ▶ January 27, 2025: accepted presentations, posters, working session slides, and tutorial slides due

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
- ▶ Boehm Center for Systems and Software Engineering

