# *Ground System Architectures Workshop*

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

**Event:** *Feb. 24–27, 2025* | *Renaissance Los Angeles Airport Hotel*
**Classified Session:** *Feb. 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 systems community.  The 29th annual event, GSAW 2025, invites you to discuss the theme of **"Amplifying User Effectiveness: Automation, Augmentation, and AI/ML."**

With the growing proliferation of space-based capabilities, GSAW 2025 is particularly focused on exploring advancements in automation, augmentation, and/or artificial intelligence and machine learning technologies that further the mission by making ground system users more effective.  Other topics pertaining to ground system architectures are also welcomed.

Join us in-person for Tutorials, Working Groups, Plenary Presentations, Posters, Technical Exhibits, Evening Sessions, and Classified Sessions. This year, GSAW 2025 emphasizes face-to-face networking for the international ground systems community.

## 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 October 21, 2024, for the following opportunities:

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| **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" x 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

**Classified Session:**
In-person on February 27, 2025, at The Aerospace Corporation, El Segundo, California. All attendees must possess a TS/SCI clearance and be a U.S. Citizen.

**Proposal Instructions and Submission Forms:**
*http://gsaw.aero.org/cfp/forms*

**Presentation Guidelines:**
*http://gsaw.aero.org/cfp/guidelines*

**Submission Deadlines**

- Abstracts/proposals due: October 21, 2024
- Notification of acceptance: December 2, 2024
- Accepted presentations, posters, working session slides, and tutorial slides due: January 27, 2025

**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



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