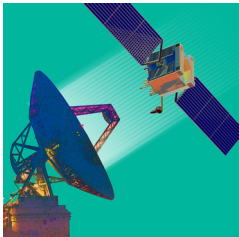# Ground System Architectures Workshop

"Looking Beyond the Horizon"

Call for Participation
Renaissance Los Angeles Airport Hotel
March 13–16, 2017

The 21st 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 a poster session.

It is natural to think about the future in a way that incorporates current technology, requirements, development approaches, and business practices. Unfortunately, this can result in an expensive, overly complex merging of legacy systems with solutions that incorporate little innovation. Significant advancements in technology and approaches are happening today and more are sure to come. This year's theme is "Looking Beyond the Horizon," which encourages you to start with a clean sheet, consider these advancements, look several years ahead, and present game-changing approaches to ground systems. Come share your new ideas, emerging technologies, lessons learned, and roadmaps to innovating away from the short-term incremental changes of the past. The community would benefit greatly by hearing about your needs, accomplishments, progress, and plans as we move to advanced architectures and innovative capabilities for the future.

- Architecture modeling and model-based approaches
- Enterprise systems and transition
- Mission assurance and risk management
- Space-ground communications
- Autonomy and automation
- Operations, fielding, and sustainment
- Situational awareness and operational innovation
- Creative business and acquisition models

- Cybersecurity, information assurance, and resilience
- Virtualization and containers, cloud, and data analytics
- Mobile, lightweight, and locality-independent platforms
- Agile, crowdsourcing, and rapid system development
- Interoperability, compatibility, and standards
- Cost, schedule, governance, and data rights
- Open source, off-the-shelf, and repurposing
- End-user perspectives and human-system integration

Submission Details

Send unclassified submissions and inquiries to **gsaw@aero.org** or call **310.336.0454**.
Send classified submissions and inquiries to **gsaw@gwan.npa.ic.gov** or call **894.3985**.

Proposal instructions can be found at **http://gsaw.org/call-for-participation/submission-guidelines/** for the following:

Plenary Presentations
Present a 15-minute talk describing the results of your work, progress, or case studies. Award to best presentation.

Working Groups
Lead a four-hour collaborative discussion.

Tutorials
Instruct a half- or full-day session.

Poster Session
Display a 30" x 40" poster.

Unclassified Session
The general workshop will be held at the hotel and will include international attendees. Presented materials will be made available on the website after GSAW concludes.

Classified Session Information
We will be accepting submissions for a classified plenary session to be hosted on March 16 at The Aerospace Corporation. All attendees will be required to have a TS/SCI clearance. Presentations can be up to the TS//SI/TK//NOFORN classification level.

Deadlines

- Abstracts/proposals: **Oct. 24, 2016**
- Notification of acceptance: **Nov. 28, 2016**
- Accepted presentations: **Feb. 6, 2017**

Presenters are responsible for ensuring that all submissions are cleared for presentation to their respective audiences. This workshop will be conducted in English.

GSAW is sponsored by The Aerospace Corporation in cooperation with:

- Air Force Space Command
- Air Force Space and Missile Systems Center
- National Reconnaissance Office
- NASA Goddard Space Flight Center
- NASA/Jet Propulsion Laboratory, California Institute of Technology
- University of Southern California, Center for Systems and Software Engineering
- Software Engineering Institute
- Institute for Software Research, University of California, Irvine
- European Space Agency
- National Oceanic and Atmospheric Administration

Visit our website at http://gsaw.org/