Ground System Architectures Workshop

AEROSPACE
Assuring Mission Success

"Embracing the Rapid Rate of Change"

Fact Sheet

http://gsaw.org

Renaissance Los Angeles Airport Hotel

Feb. 29–March 3, 2016

WHAT

GSAW 2016 is the 20th annual workshop exploring software and system architecture issues for space-related ground systems.

WHEN/WHERE

Feb. 29–March 3, 2016, Renaissance Los Angeles Airport Hotel

DESCRIPTION

GSAW is a forum for 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. This year's theme is "Embracing the Rapid Rate of Change." Ground system design is influenced by many factors which are changing at an increasing pace. Cost, schedule, and performance pressures continue to grow. Technology is providing more options for system design, but is also enabling new mission types and communications options. Many business models are being adapted to the CubeSat/smallsat and hosted payload marketplace. Considerations include reuse, standards, common services, fleet operations, enterprise support, and more. How do you plan for the future when the rate of change is faster than traditional acquisition cycles?

DETAILS

- Monday, Feb. 29, Tutorials (at additional cost)
- Tuesday–Thursday (morning), March 1–3, General Workshop
- Thursday (afternoon), March 3, Classified (TS//SI/TK//NOFORN) Session at The Aerospace Corporation

TUTORIALS

- Introduction to Space Domain Task Force (SDTF) Specifications—XTCE, GEMS, SOLM, XUSP
- Data Analytics: From Data to Knowledge
- Integrating Cybersecurity into the System Lifecycle Using the Risk Management Framework (RMF)
- An Overview of Ground Systems for Satellite Operations
- A Proven Methodology for Developing Secure Software and Applying It to Ground Systems
- Big Data Considerations for Ground System Environments
- Introduction to CCSDS Mission Operations Services Standards
- Architecting Effective Ground System Automation
- Beyond Open Architecture: Issues, Challenges, and Opportunities in Open Source Software Development (OSSD) for Aerospace and Defense Applications
- Introduction to Satellite Communications: Telemetry and Command Paths

REGISTRATION

Registration now open—Early Bird Registration through Feb. 12.
Register online at **http://gsaw.org**. For further information, send email to **gsaw@aero.org** or call 310.336.0454.

SCHEDULED SPEAKERS

Keynote Speakers

Lt. Gen. Samuel Greaves
Commander
Air Force Space and Missile Systems Center

Jay Pittman
Deputy Director for Strategy and Integration
Wallops Flight Facility
NASA/GSFC/Wallops

Frank Konieczny
Chief Technology Officer
Office of Information Dominance;
Chief Information Officer
Office of the Secretary of the Air Force

Classified Session Keynote

Edward Lane
Deputy Chief Architect
Ground Enterprise Directorate
National Reconnaissance Office

Panelists

Col. John Anttonen
Director
Advanced Systems and Development Directorate
Air Force Space and Missile Systems Center
Kirtland Air Force Base

Rishabh Maharaja
Deputy Flight Operations Team Lead
NASA's EO-1 Mission;
Adjunct Professor
Capitol Technology University;
Project Hermes Principal Investigator
Honeywell Technology Solutions Inc.

Michael Moran
Director
Government Solutions
Intelligence Community and Air Force Programs
Harris Corporation

Panelists (cont'd)

Jorge Potti
General Manager of Space
GMV

Dr. Jordi Puig-Suari
Professor
California Polytechnic State University, San Luis Obispo

Tom Soderstrom
IT Chief Technology Officer
NASA/Jet Propulsion Laboratory,
California Institute of Technology

Featured Lunchtime Speaker—March 1

Alice Bowman
New Horizons Mission Operations Manager
Johns Hopkins Applied Physics Laboratory