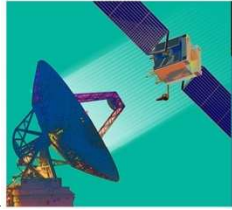


Ground System Architectures Workshop



“Achieving the Resilient Enterprise”

Fact Sheet

<http://gsaw.org>

Renaissance Los Angeles Airport Hotel
Feb. 26–March 1, 2018

WHAT GSAW 2018 is the 22nd annual workshop exploring software and system architecture issues for space-related ground systems.

WHEN/WHERE Feb. 26–March 1, 2018, Renaissance Los Angeles Airport Hotel

DESCRIPTION Space-related ground systems have progressed from closed stovepipe systems to highly networked systems that are increasingly dependent on a wide variety of both heritage and commercial components. While the capability of our space systems has greatly increased, the challenges in protecting those systems from intrusion, attack, and failures are greater than ever. Advancements in technology and operational solutions are happening right now and more are sure to come. This year’s theme is “Achieving the Resilient Enterprise,” which addresses approaches to protecting your systems, operating them through issues, and keeping your system up-to-date. Come share your new ideas, emerging technologies, lessons learned, and roadmaps to achieving the goal of a truly resilient enterprise. 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.

DETAILS

- Monday, Feb. 26, Tutorials (at additional cost)
- Tuesday–Thursday (morning), Feb. 27–March 1, General Workshop
- Thursday (afternoon), March 1, Classified Session at The Aerospace Corporation (Attendees required to have a TS/SCI clearance)

TUTORIALS

- Agile/DevOps Development and Agile Acquisition: Differences, Similarities, and How to Implement
- Developing Machine Learning Solutions for Space Missions
- Life Cycle Resilience Depends on Maintainability
- An Overview of Ground Systems for Satellite Operations
- Standards for Ground and Space Communications (CCSDS)
- Model Based Systems Engineering for Ground Systems
- Introduction to Satellite Communications
- Introduction to Space Domain Task Force (SDTF) Specifications—XTCE, GEMS, SOLM, XUSP
- Multicore Processing, Virtualization, and Containerization: Similarities, Differences, and Challenges
- Reducing the Software Risk in Ground System Software
- CCSDS Mission Operations Services in a Nutshell

REGISTRATION Registration now open—Early Bird Registration through Feb. 5. 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. John Thompson
Commander
Air Force Space and Missile Systems Center

Richard (Greg) Marlow
Deputy Director
NOAA/NESDIS Office of Satellite and Product Operations

Jim Schier
Chief Architect and Deputy Director
System Engineering
Space Communications and Navigation Program
NASA Headquarters

PANELISTS

Jim Caggy
Sr. Manager
DOD/NATSEC Programs
Amazon Web Services

PANELISTS (CONT'D)

Dr. Ed Kearns
NOAA Chief Data Officer
National Oceanic and Atmospheric Administration

Col. Michael Kleppe
Director
Space Capabilities Division
Headquarters
Air Force Space Command A5/8/9M

Cesar Lindo
Satellite Operations and Ground Systems
Program Manager
The Boeing Company

PANELISTS (CONT'D)

Prof. Clifford Neuman
Director
Center for Computer Systems Security
Information Sciences Institute
University of Southern California

Mauro Pecchioli
Head of Operations Centre System
Infrastructure Section
European Space Agency
European Space Operations Center

**FEATURED LUNCHTIME SPEAKER—
FEB. 27**

Brian Roberts
Robotic Technology Lead
Space Servicing Projects Division
NASA Goddard Space Flight Center