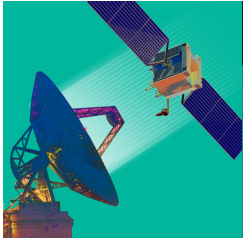# Ground System Architectures Workshop

"Perspectives on Ground Services"

Fact Sheet
http://gsaw.org

Renaissance Los Angeles
Airport Hotel
March 2–5, 2015

WHAT	GSAW 2015 is the 19th annual workshop exploring software and system architecture issues for space-related ground systems.
WHEN/WHERE	March 2–5, 2015, 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, and panel discussions on issues and solutions. GSAW 2015 will highlight new ideas, lessons learned, and the identification of common solutions in the creation, application, and evaluation of architectures to meet the technological challenges of ground systems. GSAW's affiliation with government and civilian organizations provides an unparalleled opportunity to advance the state of practice and research in architectures for ground systems. This year's theme is "Perspectives on Ground Services." Ground systems "services" mean different things to different stakeholders. The term has been used to refer to everything from outsourcing operations to using the cloud. GSAW will be focusing on architectural approaches and business models related to a wide range of service concepts.

DETAILS

- Monday, March 2, Tutorials (at additional cost)
- Tuesday – Thursday (morning), March 3–5, General Workshop
- Thursday (afternoon), March 5, Classified (TS//SI/TK//NOFORN) Session at The Aerospace Corporation

TUTORIALS

- Resilient Cloud-Based Ground Systems
- Introduction to Ground Systems
- Introduction to Satellite Communications: Telemetry and Command Paths
- Security Risk Management using the Security Engineering Risk Analysis (SERA) Method
- Agile Development: Myths, Monsters, and Fables
- A Model-Based Approach to Architecting Ground Data Systems
- Introduction to Satellite Communications: Vehicle RF Communications
- Introduction to Systems and Software Architecture
- Big Data Considerations for Ground System Environments
- Introduction to Space Domain Task Force (SDTF) Specifications – XTCE, GEMS, SOLM, XUSP

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

Maj. Gen. Robert McMurry Jr.
Vice Commander
Air Force Space and Missile Systems Center

Bill Possel
Director, Mission Operations and Data Systems
Laboratory for Atmospheric and Space Physics

Steven Petersen
Director of Satellite Ground Services
National Oceanic and Atmospheric Administration

Classified Session Keynote

David White
Chief Information Officer
National Geospatial-Intelligence Agency

Panelists

Dr. John Bellardo
Associate Professor
Department of Computer Science
California Polytechnic State University

Dr. Mal De Ponte
Senior Vice President
National Systems Group
The Aerospace Corporation

Matthew Debski
Senior Software Engineer
Google Inc.

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

Panelists (cont'd)

Dan Smith
Ground System Manager
NASA Goddard Space Flight Center

Miguel Tortosa
Ground Segment Programs Manager
Satellite Control
Eutelsat

Featured Lunchtime Speaker March 3

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