Ground System Architectures Workshop

Working Group G:
Cloud Computing and Big Data Technologies for Ground Systems

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ESA

March 1, 2022, 9 AM to 11:30 AM PT

Session Goals

- Discuss the current trends, best practices, and lessons learned in using Cloud Computing and Big Data technologies
- Key Focus Areas:
    - *State of the art in Cloud Computing and Big Data*
    - *Cloud and Big Data reference models*
    - *Cloud-based ground systems*
    - *Cloud and Big Data technologies*
    - *Cloud security, standards, and compliance*
    - *Acquisition strategies for cloud-based systems*
    - *Cloud computing economics*
    - *Cloud performance management*

Agenda

Time	Presentation	Author
9 AM to 10:30 AM	Introduction	Ramesh Rangachar The Aerospace Corporation
	An Introduction to Ground Station as a Service	Claire Alvine The Aerospace Corporation
	The Evolving Multi-network, Terrestrial Edge Ground Station	Ronald Faith President and COO, RBC Signals
	Ground Segment As A Service (GSAAS)	Chad Raymo VP Mission Solutions, Parsons Corp.
	Managing Cloud and Cloud Assets	Thad Pinney VP Sales & Solution Engineering, Kratos
	Latest developments in the next generation of ESA Mission Control Systems	Dominik Marszk ESA/ESOC
10:30 AM to 11:30 AM	**Panel Discussion:** GSaaS: How is cloud computing empowering the transformation of the ground segment? **Panelists:** Chad Raymo, VP Mission Solutions, Parsons Corp Ronald Faith, President and COO, RBC Signals Thad Pinney, VP Sales & Solution Engineering, Kratos James Eggleston, Mission Operations Data System Division, ESA	