

# *Ground System Architectures Workshop*



## *Working Group F: Cloud Computing and Big Data Technologies for Ground Systems*

*Ramesh Rangachar  
The Aerospace Corporation*

*February 27, 2023  
12:30 PM to 3:00 PM 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
12:30 PM to 2:00 PM	Introduction	Ramesh Rangachar The Aerospace Corporation
	The NOAA/NESDIS Common Cloud Framework: A Scalable, Agile and Enterprise Cloud Solution	Kathryn Shontz Director (Acting), OSGS NOAA Satellite and Information Service
	ESA Mission Operations shared Storage Cluster Solution	Klara Widegård, Rui Santos European Space Agency (ESA)
	Earthdata in the cloud: PO.DAAC journey to the Cloud in support of SWOT	Suresh Vannan PO.DAAC Manager NASA Jet Propulsion Laboratory
2:00 PM to 3:00 PM	<b>Panel Discussion:</b> Cloud Migration: A Key Enabler for Next-Gen Ground Services	