

2024 SPACEOPS WORKSHOP

DAY 1 : 18th of June 2024

8:00	8:45	0:45	Arrival - Registration		
8:45	9:00	0:15	Workshop welcome - Practical arrangements	Gérard Galet	CNES
9:00	9:15	0:15	Workshop Introduction	Jean-Claude Souyris	CNES

THEME 1 = New Ops Paradigms

9:15	9:30	0:15	Theme introduction	Arvind Balan Young Lee	DLR JPL
9:30	10:00	0:30	Operating the ESA fleet in 2040	Andrea Accomazzo	ESA
10:00	10:30	0:30	New approach of Ground Segments - Illustration of GESat GS	Converset Emilie Cyril Thomas	CS GROUP
10:30	10:45	0:15	Coffee Break		
10:45	11:15	0:30	NASA Starling Swarm Mission: Technology Objectives, Status and Future Applications	Randy Grashuis	NASA
11:15	11:45	0:30	SPACE RIDER - A reusable system,with innovative technology dor In-Orbit Payload operations with precise landing capabilities	Daniela Borla Tridon Marilia Matos	ALTEC S.p.A ESA
11:45	12:15	0:30	EASE-Mission: A cloud ready multi-mission control system solution for satellite constellations	Marino Onofrio Longo Valerio	TELESPAZIO
12:15	13:00	0:45	Round Table		

13:00 **14:30** **1:30** *Lunch*

THEME 2 = New Ops Solutions

14:30	14:45	0:15	Theme introduction	Marcin Gnat Klara Widegard	DLR ESA
14:45	15:15	0:30	Connecting IoT and satellite systems with innovative operational integration solutions.	Muneera Jasim Almalki	The National Space Science Agency
15:15	15:45	0:30	New Solutions – Uses Cases and Challenges of Utilizing AI for Spacecraft Operations	Dr. Bodo Werner	Telespazio GmbH
15:45	16:15	0:30	GPT-4 as e new troubleshooting tool for operations	Evaristo De Vega Galindo	DLR-GfR
16:15	16:30	0:15	Coffee Break		
16:30	17:00	0:30	Extending the life of non-primary satellites	Richard G. Marlow	NOAA
17:00	17:30	0:30	Software-defined satellite constellation network management in the cloud	Ajit Rajdeosingh Bruno Bechard	Amazon Rivada Space Networks
17:30	18:00	0:30	Round Table		

END of DAY 1

DAY 2 : 19th of June 2024

8:00	8:45	0:45	Arrival - Registration		
8:45	9:00	0:15	Additional practical arrangements (if needed)	Gérard Galet	CNES

THEME 3 = Ops Challenges for Exploration

9:00	9:15	0:15	Theme introduction	Craig Cruzen Thomas Mueller	NASA DLR
9:15	9:45	0:30	From passengers to ISS to Lunar and Mars Explorers: the European operations evolution	Andrea Accomazzo	ESA
9:45	10:15	0:30	ROOC Modernization based on EG(O)S-CC Adoption	Alfredo Giovanni Villa	ALTEC S.p.A.
10:15	10:30	0:15	<i>Coffee Break</i>		
10:30	11:00	0:30	The Human Exploration Control Center (HECC) at Munich-Oberpfaffenhofen	Gerd Soellner Paul Steele	DLR ESA
11:00	11:30	0:30	Benefits of implementing DTN in Operational Concepts. DTN in LunaNet and beyond	Ivica Ristovski	NASA
11:30	12:00	0:30	Spaceship FR and Contributions to Lunar - Long term operations and surface navigation	Alexis Paillet Denis Baron	CNES
12:00	12:45	0:45	Round Table		
13:00	14:30	1:30	<i>Lunch</i>		

THEME 4 = Zero Debris Approach : Current capabilities & future needs

14:30	14:45	0:15	Theme introduction	Tim Flohrer Andrew Monham	ESA EUMETSAT
14:45	15:15	0:30	Addressing Challenges in Collision Avoidance Manoeuvres: Insights from Stakeholder Interviews and Sensitivity Analysis	Srinivas J. Setty Brendan Thorn	NorthStar Earth & Space Europe
15:15	15:45	0:30	An Overview on ESA's zero debris approach	Tim Flohrer	ESA
15:45	16:15	0:30	Mission Lifetime Optimisation with Self or Assisted Disposal	Andrew Monham	EUMETSAT
16:15	16:30	0:15	<i>Coffee Break</i>		
16:30	17:00	0:30	New Space Traffic Management Solutions for Zero Debris Approach	Andrés Ripoll Sánchez Iván Llamas de la Sierra	GMV
17:00	17:30	0:30	DRAMA 4.0 - Evolution of ESA's Debris Mitigation Tool Suite	Christopher Kebschull Frederik Laeuferts	OKAPI Orbits
17:30	18:00	0:30	Round Table		

END of DAY 2

DAY 3 : 20th of June 2024

8:00	8:45	0:45	Arrival - Registration		
8:45	9:00	0:15	Additional practical arrangements (if needed)	G�rard Galet	CNES

THEME 5 = In-Orbit Services missions

9:00	9:15	0:15	Theme introduction	Jillian Redfern Alice Bowman	SwRI JHAPL
9:15	9:45	0:30	EROSS IOD Satellite for on-orbit servicing	Thi Bich Van HA Franck Venet	Thales Alenia Space
9:45	10:15	0:30	In-Orbit Services - A Commercial Ground Segment Provider and Spacecraft Operator Perspective	Marc Niezette	Telespazio GmbH
10:15	10:30	0:15	<i>Coffee Break</i>		
10:30	11:00	0:30	Demonstrating safe proximity operations for the future of in-orbit servicing	Guillaume Haynez Andrea Fiorentino	Exotrail
11:00	11:45	0:45	Round Table		
11:45	12:30	0:45	Workshop Synthesis - General discussions Group photo	All All	

13:00 14:30 1:30 *Lunch*

FREE AFTERNOON

14:30	17:30	3:00	Free visit + Tour with guide	All	
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END of DAY 3 - END OF SPACEOPS WORKSHOP