

2023 Clean Space Industry Days

Tuesday, October 17, 2023

In-Orbit Servicing & Debris Removal: Plenary: Removal services (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[52] GNC for rendezvous, dynamic capture and stabilization of spinning non-cooperative target	Mr PARREIRA, Baltazar
11:50 AM	[88] e.Inspector phase B: 12U CubeSat for debris target multispectral close inspection	Prof. LAVAGNA, Michelle
12:10 PM	[23] COSMIC, UK's first Active Debris Removal mission and Europe's latest gem to the In-Orbit Servicing ecosystem	VALENCON, Maxime
12:30 PM	[102] CAT-IOD: PHASE 0 FOR AN IN-ORBIT DEMONSTRATION MISSION FOR ACTIVE DEBRIS REMOVAL	GANDIA, Fernando

In-Orbit Servicing & Debris Removal: Mission Implementation: IOS (2:00 PM - 3:30 PM)

time	[id] title	presenter
2:00 PM	[78] D-Orbit's In-Orbit Servicing: A Customer-Driven Development Approach	GARCES DE MARCILLA, Diego Mr ANTONETTI, Stefano
2:20 PM	[91] Regulatory Frameworks for a Thriving Circular Space Economy	Mr BUCHS, Romain
2:40 PM	[22] Beyond ELSA-M – Developing Sustainable In-Orbit Commercial Services	Ms SERFONTEIN, Zaria
3:00 PM	[35] IOSHEX AND SPACERIDER INTEROPERABILITY TOWARDS ACTIVE DEBRIS REMOVAL AND RECYCLING	Mr MARIANI, Marco

In-Orbit Servicing & Debris Removal: Mission Implementation: IOS (4:00 PM - 5:30 PM)

time	[id] title	presenter
4:00 PM	[7] EROSS IOD - Mission Progress Status	DANDRÉ, Pierre
4:20 PM	[49] Orbit Fab Podracer mission: an on-orbit testbed proving out the building blocks of sustainable orbital refueling	GEIMAN, Connor
4:40 PM	[40] SENER's perspective on Active Debris Removal	RAMOS PRADA, María Antonia

Wednesday, October 18, 2023

In-Orbit Servicing & Debris Removal: Policy and Close-Proximity Operations (9:30 AM - 11:00 AM)

time	[id] title	presenter
9:30 AM	[9] Verification and Validation of Rendezvous and CPO Safety	COMELLINI, Anthea
10:00 AM	[3] Navigating the Stars Responsibly: Ethics in Mission Implementation for Active Debris Removal and In-Orbit Servicing	DAVIES, Jane DAVIES, jane
10:30 AM	[146] ESA Close-Proximity Operations activities	COTUNA, Adina

In-Orbit Servicing & Debris Removal: Robotics (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[46] Grappling and Refuelling Active Solution for Propellants (GRASP) - A Concept for a European Active Side to the RAFTI Open License Interface	HILL, Sebastian
11:45 AM	[74] Minimum invasive refueling coupling, for teleoperated refueling operations.	Mr KOSMAS, Charalampos
12:00 PM	[38] Development of Modular Robotic System for Servicing and Deorbiting Missions	KLESZCZYŃSKI, Dominik
12:15 PM	[41] Unveiling the Potential of Cooperative Multi-Agent Spacecraft for ADR, IOS, and Cyclic Space Economy	Dr GEBURA, Marek
12:30 PM	[44] Extending Ground Segment Products for supporting a large range of In-Orbit Services	NIEZETTE, Marc

In-Orbit Servicing & Debris Removal: Guidance, Navigation and Control (GNC) (3:00 PM - 4:30 PM)

time	[id] title	presenter
3:00 PM	[85] Trajectory Optimization for The Proximity Rendezvous Operation Considering The Relative Navigation Error	Mr NAKAJIMA, Yu
3:30 PM	[45] Opportunities and Challenges in Deep Learning-based Spacecraft Pose Estimation for Future In-orbit Servicing missions.	RATHINAM, Arunkumar

In-Orbit Servicing & Debris Removal: Guidance, Navigation and Control (GNC) (5:00 PM - 6:30 PM)

time	[id] title	presenter
5:15 PM	[58] A fault-tolerant AI processor to accelerate onboard computer vision workloads	Dr WOUTERS, Jasper
5:30 PM	[60] Progress in vision-based navigation technologies for non-cooperative close proximity operations	REGAD, David
5:45 PM	[42] A multispectral camera solution for guidance and navigation on space servicing vehicles	PALLA, Chiara
6:00 PM	[71] A reliable visible camera suite for In-Orbit Servicing	MAJEWSKI, Laurent

Thursday, October 19, 2023

In-Orbit Servicing & Debris Removal: Circular economy in space (9:30 AM - 11:00 AM)

time	[id] title	presenter
9:30 AM	[111] The Space Rider System key-role for a future cleaner and sustainable space environment.	Mr RINLDUCCI, Antonio CARAMELLI, Fabio
9:48 AM	[48] Toward a Circular Space Economy: Overcoming Blockers for Sustainability	Ms BOWMAN, Portia
10:06 AM	[117] Role of refueling in the global satellite ecosystem.	BALASUBRAMANIAN, Nikhil Mr RAMACHANDRAN, Sakthikumar
10:25 AM	[70] Guidance, Navigation, and Control of In-Orbit Assembly of Large Antennas – technologies and approach for IOANT	Mr PAULINO, Nuno

In-Orbit Servicing & Debris Removal: Circular economy in space (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[57] Manufacturing using waste from space resources for a circular space economy	SCHILD, Timon
11:48 AM	[131] Orbiting Sustainability: Crafting a Circular Economy White Paper for Space	