

Clean Space Days

Tuesday 8 October 2024

IOS: ADR and In-Space Transportation Preparation & Missions - Dance Room (16:00 - 17:30)

time	[id] title	presenter
16:00	[23] Astroscale's Active Debris Removal Services - A Review	Dr FORSHAW, Jason
16:20	[135] ESA In Space Proof of Concepts (InSPoC) Overview	DUPUY, Eva-Marie
16:40	[90] ClearSpace-1 In-Orbit Demonstration Mission	Dr STEIMLE, Christian
17:00	[89] CAT-IOD: CAT IN-ORBIT DEMONSTRATION MISSION FOR A PREPARED ACTIVE DEBRIS REMOVAL SCENARIO	PRIETO, Manuel

Wednesday 9 October 2024

IOS: ADR and In-Space Transportation Preparation & Missions - Tennis Hall (09:30 - 11:00)

time	[id] title	presenter
09:30	[99] e.Inspector: a 12U microsat to support future IOS mission by VIS-IR close imaging Proba I debris	LAVAGNA, Michelle
09:50	[102] InSPoC-1 demonstrator mission in the light of ADR and In-Space Transportation Preparations	Ms SCHUMACHER, Laura
10:10	[4] Optimizing Multiclient In-Orbit Servicing: A Mission Analysis for Geosynchronous Satellite Refueling	GRÜNING, Philipp
10:30	[25] The Space Rider System key-role as European reusable IOS platform for a greener space	CAFINI, Raul Mr RINALDUCCI, Antonio Mr CARAMELLI, Fabio

IOS: IOS Preparation & Missions - Tennis Hall (11:30 - 13:00)

time	[id] title	presenter
11:30	[48] The RISE Mission: Life Extension in GEO within the ADRIOS Programme	GARCES DE MARCILLA, Diego
11:50	[24] Astroscale's IOS Missions: Driving Towards a Sustainable Future	Dr SERFONTEIN, Zaria
12:10	[68] Refuelling Design & Development Activities at Thales Alenia Space in the UK	Mr CHALLAMEL, Remi
12:30	[49] Orbit Fab Refuelling Interface and Service Mission Development Progress in Europe	HILL, Sebastian

IOS: Technologies for ADRIOS (Robotics#1) - Tennis Hall (14:00 - 15:30)

time	[id] title	presenter
14:00	[82] InSPoC-1/B1 Grappling and Docking Interface Design and Breadboard Tests	Dr MOHTAR, Tharek
14:20	[92] Development of Modular Robotic System for In-Orbit Services	Mr KLESZCZYNSKI, Dominik
14:40	[137] SIROM: LATEST DEVELOPMENTS. AIR-BEARING TEST CAMPAIGN AS A CRUCIAL STEP FOR VALIDATING DOCKING APPLICABILITY.	LAZARO, Alejandro
15:00	[136] Robotic system and mechanical interface design for the Italian In-Orbiting servicing demo mission	DA ROLD, Alberto

IOS: Technologies for ADRIOS (Robotics#2) - Tennis Hall (16:00 - 17:30)

time	[id] title	presenter
16:00	[78] Robotic technologies for a sustainable on-orbit servicing ecosystem: ASSIST, MICE/CAT and MIRROR	Mr PRIETO, Manuel
16:20	[5] Definition of a System Interconnect Standard for Orbital Operations	BERGER, Come Mr DANDRE, Pierre
16:40	[128] Space Infrastructure: Multifunctional Interfaces as the Key to ISAM and More	SCHERVAN, Thomas A.

17:00	[146] Intelligent Perception & Robotics for Debris Removal	Mr DENTLER, Jan
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Thursday 10 October 2024

IOS: Strategy of Circular Economy with CM25 - Tennis Hall (09:30 - 10:00)

time	[id] title	presenter
09:30	[159] Enabling a Space Circular Economy by 2050	Mr CAIAZZO, Antonio

IOS: Circular Economy Activities - Tennis Hall (10:00 - 11:00)

time	[id] title	presenter
10:00	[155] Recycling Space Plant	BERGER, Come
10:05	[156] Managed Recycling Orbit operated as a Multi-Agent System	GEBURA, Marek
10:25	[67] Towards a Circular Space Economy: Satellite Refurbishment and Upgrading Services	Dr DUMITRESCU, Adrian

IOS: Circular Economy Activities - Tennis Hall (11:30 - 13:00)

time	[id] title	presenter
11:30	[104] LOOP Mission : Preparing the foundations of a circular on-orbit economy through refurbishment	BOWMAN, Portia BRENNAN-CRADDOCK, Rob
11:50	[108] Rendezvous and Robotics in space : status and applications of the EROSS project	Mr RANCUREL, Michaël
12:30	[52] Recycling end-of-life equipment on the Moon: Towards the design of equipment and strategies	Dr PATIL, Trunai

IOS: Technologies for ADRIOS (GNC) - Tennis Hall (14:00 - 15:30)

time	[id] title	presenter
14:00	[110] V&V of Safe Close-Proximity Operations for Non-cooperative Targets	VASCONCELOS, José
14:20	[50] Accurate and comprehensive space camera digital twin for improved IOS missions	Mr SOULARD, David
14:40	[21] Attitude Estimation of Inactive Resident Space Objects from Photometric Measurements Using Particle Filtering	RUBIO ANTON, Jorge
15:00	[125] Testing Close-Proximity Operations for Inmarsat on GRALS facilities	Mr REGAD, David

IOS: Guidelines, Policy and Market for ADRIOS - Tennis Hall (16:00 - 17:30)

time	[id] title	presenter
16:00	[40] The Co-Dependent Nature of Policy, Mission Design, and Commercialisation	ALOIA, Vinicius Ms SERFONTEIN, Zaria
16:20	[63] SAVOIR FDIR handbook: update for CPO like 1	RADU, Silvana
16:40	[65] Safety in mission and system design for In-Orbit Servicing during close proximity operations	DANDRÉ, Pierre
17:00	[97] Active Debris Removal market	KALIFA, Hugo