

2022 Clean Space Industry Days

Tuesday, 11 October 2022

In-Orbit Servicing: IOS missions - Auditorium in the Erasmus building (14:00 - 15:30)

time	[id] title	presenter
14:00	[86] ESA's commercial IOS mission	
14:10	[28] Leading the development of refuelling in LEO	TILBEE, Marie
14:30	[60] Europe's New Commercial Orbital Revenue Extension Mission	PATEL, Gayatri CRUCIS, Pierre
14:50	[16] D-Orbit In-Orbit Services missions: leveraging infrastructures to create value	Mrs BOWMAN, Portia
15:10	[37] Start-€, the first Space Alliance in-orbit servicing demonstration with a direct commercial application	Mr DUBOIS, Loïc Mrs BEHAR-LAFENETRE, Stéphanie Mr LOYANT, Brendan MAZZEO, Stefania

In-Orbit Servicing: WS on IOS missions - Auditorium in the Erasmus building (16:00 - 17:30)

Wednesday, 12 October 2022

In-Orbit Servicing: Close Proximity Operations - Auditorium in the Erasmus building (14:00 - 15:30)

Thursday, 13 October 2022

In-Orbit Servicing: Circular economy in space - Auditorium in the Erasmus building (09:30 - 11:00)

time	[id] title	presenter
09:30	[87] ESA circular economy	CAIAZZO, Antonio
09:40	[114] D-orbit vision of the space environment in 2050	Mrs BOWMAN, Portia
10:00	[22] Outcomes of the PERIOD project on In-Space Manufacturing, Assembly and Refuelling Technologies	ESTABLE, Stéphane
10:20	[67] OHB Vision to preserve space values through In-Orbit Servicing in the timeframe of 2030-2050	BERGEMANN, Christiane
10:40	[26] Refuelling Design and Development activities at Thales Alenia Space in the UK	HILL, Sebastian

In-Orbit Servicing: Circular economy in space - Auditorium in the Erasmus building (11:30 - 13:00)

time	[id] title	presenter
11:30	[63] Creating Environmental and Economic Sustainability In Space Through Commercial Satellite Refueling	GEIMAN, Connor
11:50	[20] Design of 3D printing setup for in-space application	Mr WILLGER, Janis
12:10	[71] Recycling of hardware for Moon and Martian settlement	BERGEMANN, Christiane
12:50	[88] ESA introduction to manufacturing and assembling in space	Mrs MAKAYAF, Advenit

In-Orbit Servicing: Capture Technologies for IOS - Auditorium in the Erasmus building (14:00 - 15:30)

time	[id] title	presenter
14:00	[89] ESA introduction to capturing technologies for IOS	
14:10	[7] Modular Robotic System for Future Servicing and Deorbiting Missions	KLESZCZYŃSKI, Dominik
14:25	[75] Robotic Technologies for On Orbit Servicing	ROA, Maximo A.
14:40	[55] Development of a novel capture system	ONILLON, Emmanuel
14:55	[34] Charging and ESD risks during in-orbit rendezvous manoeuvres	LAUBE, Jens WULF, Henning

In-Orbit Servicing: Rendezvous technologies for IOS - Auditorium in the Erasmus building (16:00 - 17:30)

time	[id] title	presenter
16:00	[90] ESA introduction to Rendezvous technologies for IOS	DUTEIS, Paul
16:10	[9] Space target capture with optical navigation and chaser-robotic arm combined control	BRANZ, Francesco
16:25	[52] GNC & Vision-based navigation technologies for Rendezvous and On-Orbit Servicing	DANDRÉ, Pierre
16:40	[66] Guidance, Navigation, and Control for the autonomous rendezvous with an uncooperative tumbling target	MARTINEZ, Alvaro

16:55	[30] Validating a CNN-based Pose Estimation System for Relative Navigation with an Uncooperative Spacecraft on Myriad X Space Grade Processor	HENDRIX, Tom
17:10	[74] Nvidia Omniverse for Active Space Debris Removal Missions, an Overview	LI, Xiao