



# 2022 Clean Space Industry Days

## Tuesday, 11 October 2022

### **End-of-Life Management: Deorbit & Passivation - High Bay in the Erasmus building (14:00 - 15:30)**

time	[id] title	presenter
14:00	[4] Deorbit sail effectiveness analysis from the perspective of orbital parameter measurements	UWAROWA, Inna
14:30	[13] Deorbiting Solid Rocket Motor equipped with Thrust Vector Control – a base for propulsion system for controlled re-entry	Mr NOWAKOWSKI, Pawel Ms MAJEWSKA, Ewa
15:00	[17] D-Orbit's Deorbiting Kit: a solution for the End-of-Life Management of launcher and spacecraft	Mrs BOWMAN, Portia

### **End-of-Life Management: Deorbit & Passivation - High Bay in the Erasmus building (16:00 - 17:30)**

time	[id] title	presenter
16:00	[100] Passive deorbit technologies – enabling a clean space through autonomous deorbiting capability	Mr STELZL, Daniel
16:30	[101] Battery containment: design objectives and roadmap for small satellites	PALISSAT, Geraldine
17:00	[119] SMA Valve for Propulsion Subsystem Passivation	HERBERTZ, Armin

## Wednesday, 12 October 2022

### **End-of-Life Management: End of Life for smallsats - High Bay in the Erasmus building (09:30 - 11:00)**

time	[id] title	presenter
09:30	[115] Introduction by ESA: Smallsats in the context of space debris	
09:50	[70] End-of-Life Considerations for CubeSats	DE BACKER, Lisa
10:10	[116] Roundtable on EOL for Cubesats and Microsats	

### **End-of-Life Management: End of Life for smallsats - High Bay in the Erasmus building (11:30 - 12:30)**

time	[id] title	presenter
11:30	[27] Concept of an Active Debris Removal 2-step capturing system for small satellites in Low Earth Orbit	HUBERT DELISLE, Maxime
12:00	[83] Tyvak International solutions	CARDI, Margherita

### **End-of-Life Management: Design 4 Demise - High Bay in the Erasmus building (14:00 - 15:30)**

time	[id] title	presenter
14:00	[93] ESA Design for Demise Overview	CAIAZZO, Antonio
14:10	[10] Does the Presence of Multi-Layer Insulation Increase Ground Risk from Re-entry?	BECK, James
14:30	[41] Design for containment techniques to reduce spacecraft re-entry footprint	JOSES, Roxane
14:50	[47] Demisability analysis of materials properties for critical optical components in space applications	SLEJKO, Emanuele Alberto
15:10	[49] Component Containment Techniques for Spacecraft Re-entry Events	LOCKETT, Bradley

### **End-of-Life Management: Design For Removal - High Bay in the Erasmus building (16:00 - 18:00)**

time	[id] title	presenter
16:00	[92] Standard Interfaces for Design for Removal	PADILLA GUTIERREZ, Estefania
16:20	[40] Passive Navigation Aids Development for EOL Management	Mr SOMOSVÁRI, Béla Márton
16:40	[50] Satellite License Plate: a cooperative laser-enabled satellite identification method	SILVESTRI, Fabrizio
17:00	[25] Mechanical Interface for Capture at End-of-Life (MICE) qualification	CAMAÑES, Carmen
17:20	[72] Reflector-based Attitude Detection System - SLR Residual Simulation Tool	SCHNEIDER, Sebastian

# Thursday, 13 October 2022

## **End-of-Life Management: Lessons learnt from missions - High Bay in the Erasmus building (11:30 - 13:00)**

time	[id] title	presenter
11:30	[113] ESA Harmony	DE WITTE, erik
11:50	[44] Management of End of Life for Airbus LEO satellites: the example of MetOp A	Dr GARCES, Sylvain
12:10	[102] CIMR end of life controlled re-entry strategy	ORONZO , Giuseppe
12:30	[112] ESA NGGM	MASSOTTI, Luca

## **End-of-Life Management: Design 4 Demise - High Bay in the Erasmus building (14:00 - 15:30)**

time	[id] title	presenter
14:00	[96] Demisable chemical propellant tank developments for satellites	Mr YORWARTH, Greame
14:15	[6] Development of Demisable Fiber Reinforced Plastic Composites	SCHLEUTKER, Thorn
14:30	[58] Experimental demise study of novel materials combinations for spacecraft structural panel assemblies	LOOTEN, Alexandre
14:45	[57] SADM Design for Demise, Clean Space	Mrs ILKA, Saastad
15:00	[11] SpaceCraft Object Risk Evaluation Database	BECK, James
15:15	[94] Questions & Answers	

## **End-of-Life Management: Design 4 Demise - High Bay in the Erasmus building (16:00 - 17:45)**

time	[id] title	presenter
16:00	[24] Assisted Spacecraft Demise with Exothermic reactions	KÄRRÄNG, Patrik
16:15	[23] D4D Technos from eNOVA consortium	Mr STEPHANE, HEINRICH STEPHANE, HEINRICH
16:30	[12] Improved Material Modelling for Destructive Re-entry Assessment	BECK, James
16:45	[46] Addressing DRACO mission phase A design challenges	MINACAPILLI, Paolo
17:00	[43] Development of a 140 Am2 Magnetorquer designed for Improved Demisability	PIMENTÃO, José
17:15	[95] Questions & Answers	