

Clean Space Industrial Days 2018

Tuesday, 23 October 2018

Ecodesign: ECODESIGNING A SPACE MISSION - Erasmus building (14:00 - 15:30)

-Conveners: Andrew Wilson

time	[id] title	presenter
14:00	[58] EcoDesign at ESA	MORALES SERRANO, Sara
14:30	[30] GreenSat	Mr THIRY, Nicolas Mr DUVERNOIS, Pierre-Alexis Mr CHANOINE, Augustin
15:00	[23] GreenSat: ecodesign of the PROBA-V mission	Ms VERCALSTEREN, An

Ecodesign: LCA OF SPACE MISSIONS - Erasmus building (16:00 - 17:30)

time	[id] title	presenter
16:00	[21] Environmental Life Cycle Impact Analysis of A6 in Exploitation Phase	Ms GALLICE, Aurélie
16:30	[5] Life Cycle Assessment of Ground Segment in space sector	Mr DE SANTIS, MICHELE
17:00	[38] ARA-Atmospheric Re-entry Assessment	Mr BIANCHI, Simone

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Ecodesign: GREEN TECHNOLOGIES (09:30 - 11:00)

-Conveners: Nicolas Thiry

time	[id] title	presenter
09:30	[35] Umicore's strategy to increase Germanium resource efficiency for future low-carbon space multijunction solar cell technology	Dr KURSTJENS, Rufi
10:00	[7] Compatibility of welded propellant systems with new green propellants	SMITH, Chris GRAHAM, Sammy
10:30	[32] Environmentally friendly polyurethane materials for space applications	Dr CABULIS , Ugis

Ecodesign: REACH AND CRITICAL MATERIAL INTO LCA (11:30 - 12:30)

-Conveners: Lucia Pigliaru

time	[id] title	presenter
11:30	[13] Integrating CRM obsolescence risks into the pre-design stages of space missions	Mr DUVERNOIS, Pierre-Alexis
12:00	[12] Integrating REACH obsolescence risks into the pre-design stages of space missions	CHANOINE, Augustin

Ecodesign: ECODESIGN: THE TOOLS - Erasmus building (14:00 - 15:40)

-Conveners: Camilla Colombo

time	[id] title	presenter
14:00	[9] Harmonized space LCA data for efficient ecodesign	Prof. PETERSEN, Johan Berg
14:20	[8] The Strathclyde Space Systems Database: Life Cycle Sustainability Results of the MIOS Mission	WILSON, Andrew Ross
14:40	[80] EPFL first steps toward the Eco Design of the CleanSpace One satellite	Ms RICHARD-NOCA, Muriel
15:00	[24] User experience of the ESA LCA Handbook and database	BOONEN, Katrien

Ecodesign: ECODESIGN: SPACE DEBRIS INDEX - Erasmus building (16:00 - 17:30)

-Conveners: Stijn Lemmens

time	[id] title	presenter
16:00	[33] Assessing the impact of space debris on the orbital resource in LCA: a proposed method and case study	Mr MAURY, Thibaut
16:30	[26] A debris index as a metric of the environment capacity	Dr LETIZIA, Francesca
17:00	[34] Assessing the potential loss of value on the orbital resource caused by Space Debris: towards an LCA endpoint characterisation	Mr MAYNARD, Alexandre