

Clean Space Industrial Days & AeroThermoDynamics Design for Demise Workshop

Tuesday, October 24, 2017

CleanSat: Technology priorities for Integrators - Auditorium (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[39] Large System Integrator SDM technology priorities	BRIOT, Daniel Mr PROFFE, Gerrit GRASSI, Lilith
12:10 PM	[40] Technology priorities for small satellites	HOLSTERS, Peter
12:30 PM	[41] Ariane 6 approach and solutions regarding space debris mitigation	DIAS, Nathalie

CleanSat: Power Passivation systems - Auditorium (2:00 PM - 3:30 PM)

time	[id] title	presenter
2:00 PM	[46] State of the art overview	BAUSIER, François
2:20 PM	[47] Battery safety assessment and testing	SAMANIEGO LOPEZ, Bruno
2:40 PM	[48] Solar Array Passivation based on the galvanic isolation	LEMPEREUR, Vincent
3:00 PM	[49] Assessment of risk of debris generation due to battery failure in cubesats	CHIESA, Alessandro

CleanSat: Propulsion Passivation Systems - Auditorium (4:00 PM - 6:00 PM)

time	[id] title	presenter
4:00 PM	[42] System impacts of propulsion passivation	GERNOTH, Andreas
4:20 PM	[43] SMA Valve for fluidic passivation	Mr KRAUS, Stephan
4:40 PM	[44] Life time extension of pyro actuators for passivation	JOANNY, Pierre
5:00 PM	[45] Passivation device for Spacecraft Propulsion System	Mr DILHAN, DENIS
5:20 PM	[50] Sentinel-1 Space Debris Mitigation	LOKAS, Svein

Wednesday, October 25, 2017

CleanSat: Design for Demise - characterization and simulation - Erasmus building (9:30 AM - 11:30 AM)

time	[id] title	presenter
9:30 AM	[78] Overview of CNES SRL activities related to the compliance of the satellites with French Space Act	OMALY, Pierre
9:50 AM	[77] Characterisation of the behaviour of typical spacecraft materials exposed to re-entry environment conditions	BONVOISIN, Benoit
10:10 AM	[79] Demisable materials database	Dr MERRIFIELD, James
10:30 AM	[80] The Horizon 2020 ReDSHIFT Project: 3D printing of demisable spacecraft	Dr ROSSI, Alessandro
10:50 AM	[81] Reentry tools: DRAMA upgrade and reentry tumbling state with IOTA	KANZLER, Ronny
11:10 AM	[82] Demise Observation Capsule: Progress update	WATTS, Trevor

CleanSat: System level Design for Demise - Auditorium (11:50 AM - 1:10 PM)

time	[id] title	presenter
11:50 AM	[83] Multidisciplinary assessment of D4D techniques	KANZLER, Ronny
12:10 PM	[84] D4OP – Demisability for Optical Payloads	BIANCHI, Simone
12:30 PM	[85] Demisability of Optical Payloads	Dr BECK, James
12:50 PM	[86] Identification of re-entry critical launch vehicle components	Mr LEMMENS, Stijn

CleanSat: Platform equipment Design for Demise - Auditorium (2:00 PM - 3:30 PM)

time	[id] title	presenter
2:00 PM	[87] Design and breadboarding of technologies for early breakup of spacecraft	Mr PROFFE, Gerrit
2:20 PM	[88] Demisable joint	GRASSI, Lilith
2:40 PM	[89] Demisable joints CleanSat study	Mr KRAUS, Stephan
3:00 PM	[90] Questions & Answers	

CleanSat: Platform equipment Design for Demise - Auditorium (4:00 PM - 6:00 PM)

time	[id] title	presenter
4:00 PM	[91] Containment tether	Mr PROFFE, Gerrit
4:20 PM	[92] Demisability Assessment of Reaction Wheels	SMET, Geert
4:40 PM	[93] Demisable materials compatibility for Tanks	WATTS, Adam
5:00 PM	[94] Demisable propellant tank design	BELLAROSA, Renato GOEK, Sylvain
5:20 PM	[95] Questions & Answers	

Thursday, October 26, 2017

CleanSat: Semi-controlled re-entry round table - Auditorium (9:00 AM - 11:00 AM)

time	[id] title	presenter
9:00 AM	[38] Semi-controlled re-entry Round Table	

CleanSat: Deorbit equipment - Auditorium (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[127] Environmental impact of passive deorbit devices	Dr COLOMBO, Camilla
11:50 AM	[128] ADEO Passive De-Orbit Subsystem Activity leading to a Dragsail Demonstrator: Conclusion and Next Steps	Mrs SINN, Thomas
12:10 PM	[129] Electrostatic tether plasma brake module for deorbiting	Dr JANHUNEN, Pekka
12:30 PM	[130] Customer-driven deorbit kit based on bare electrodynamic tether technology	Mr URGOITI, Eduardo

CleanSat: Deorbit equipment - Auditorium (2:00 PM - 3:00 PM)

time	[id] title	presenter
2:00 PM	[131] Overview of technologies for controlled deorbit	Mr SOARES, Tiago
2:20 PM	[132] Electronic pressurant regulator	WATTS, Adam
2:40 PM	[133] Arcjet	GREGUCCI, Stefan

CleanSat: Autonomous Deorbit systems - Auditorium (3:30 PM - 4:30 PM)

time	[id] title	presenter
3:30 PM	[134] Deorbit Motors for Active Deorbiting	GOTZIG, Ulrich
3:50 PM	[135] Conceptual design of Solid Rocket Motor for deorbitation and advances in the development of an Aluminium-free solid propellant	OKNIŃSKI, Adam
4:10 PM	[136] D-SAT Mission: an In-Orbit Demonstration of Satellite Controlled Re-entry	FANFANI, Alessio