Clean Space Industrial Days & AeroThermoDynamics Design for Demise Workshop

Tuesday, 24 October 2017

CleanSat: Technology priorities for Integrators - Auditorium (11:30 - 13:00)

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

CleanSat: Power Passivation systems - Auditorium (14:00 - 15:30)

time	[id] title	presenter
14:00	[46] State of the art overview	BAUSIER, François
14:20	[47] Battery safety assessment and testing	SAMANIEGO LOPEZ, Bruno
14:40	[48] Solar Array Passivation based on the galvanic isolation	LEMPEREUR, Vincent
15:00	[49] Assessment of risk of debris generation due to battery failure in cubesats	CHIESA, Alessandro

CleanSat: Propulsion Passivation Systems - Auditorium (16:00 - 18:00)

time	[id] title	presenter
16:00	[42] System impacts of propulsion passivation	GERNOTH, Andreas
16:20	[43] SMA Valve for fluidic passivation	Mr KRAUS, Stephan
16:40	[44] Life time extension of pyro actuations for passivation	JOANNY, Pierre
17:00	[45] Passivation device for Spacecraft Propulsion System	Mr DILHAN, DENIS
17:20	[50] Sentinel-1 Space Debris Mitigation	LOKAS, Svein

Wednesday, 25 October 2017

CleanSat: Design for Demise - characterization and simulation - Erasmus building (09:30 - 11:30)

time	[id] title	presenter
09:30	[78] Overview of CNES SRL activities related to the compliance of the satellites with French Space Act	OMALY, Pierre
09:50	[77] Characterisation of the behaviour of typical spacecraft materials exposed to re-entry environment conditions	BONVOISIN, Benoit
10:10	[79] Demisable materials database	Dr MERRIFIELD, James
10:30	[80] The Horizon 2020 ReDSHIFT Project: 3D printing of demisable spacecraft	Dr ROSSI, Alessandro
10:50	[81] Reentry tools: DRAMA upgrade and reentry tumbling state with IOTA	KANZLER, Ronny
11:10	[82] Demise Observation Capsule: Progress update	WATTS, Trevor

CleanSat: System level Design for Demise - Auditorium (11:50 - 13:10)

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

CleanSat: Platform equipment Design for Demise - Auditorium (14:00 - 15:30)

time	[id] title	presenter
14:00	[87] Design and breadboarding of technologies for early breakup of spacecraft	Mr PROFFE, Gerrit
14:20	[88] Demisable joint	GRASSI, Lilith
14:40	[89] Demisable joints CleanSat study	Mr KRAUS, Stephan
15:00	[90] Questions & Answers	

CleanSat: Platform equipment Design for Demise - Auditorium (16:00 - 18:00)

time	[id] title	presenter
16:00	[91] Containment tether	Mr PROFFE, Gerrit
16:20	[92] Demisability Assessment of Reaction Wheels	SMET, Geert
16:40	[93] Demisable materials compatibility for Tanks	WATTS, Adam
17:00	[94] Demisable propellant tank design	BELLAROSA, Renato GOEK, Sylvain
17:20	[95] Questions & Answers	

Thursday, 26 October 2017

CleanSat: Semi-controlled re-entry round table - Auditorium (09:00 - 11:00)

time	[id] title	presenter
09:00	[38] Semi-controlled re-entry Round Table	

CleanSat: Deorbit equipment - Auditorium (11:30 - 13:00)

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

CleanSat: Deorbit equipment - Auditorium (14:00 - 15:00)

time	[id] title	presenter
14:00	[131] Overview of technologies for controlled deorbit	Mr SOARES, Tiago
14:20	[132] Electronic pressurant regulator	WATTS, Adam
14:40	[133] Arcjet	GREGUCCI, Stefan

CleanSat: Autonomous Deorbit systems - Auditorium (15:30 - 16:30)

time	[id] title	presenter
15:30	[134] Deorbit Motors for Active Deorbiting	GOTZIG, Ulrich
15:50	[135] Conceptual design of Solid Rocket Motor for deorbitation and advances in the development of an Aluminium-free solid propellant	OKNIŃSKI, Adam
16:10	[136] D-SAT Mission: an In-Orbit Demonstration of Satellite Controlled Re-entry	FANFANI, Alessio