European Space Thermal Engineering Workshop 2019

Tuesday 08 October 2019

Thermal Analysis and Software Tools - Newton (16:20-18:10)

-Conveners: Matthew Vaughan

time	[id] title	presenter
16:20	[30] Methods to Improve Thermal Test Efficiency (MITTE)	RODRIGUEZ, Matthieu
16:50	[16] Simulations of formation flying maneuvers of two spacecraft in ESATAN-TMS based on the development of a MATLAB/Simulink tool for defining the required inputs.	Mr HERRÁIZ ALIJAS, Pedro José Mrs DE BURGOS, Natalia
17:20	[59] Flight correlation and characterisation of Sentinel-2A/B satellite thermal behavior	ALTENBURG, Martin
17:45	[58] Flight correlation and characterisation of Sentinel-2A/B MSI instrument thermal behavior	Mr LEMOINE, ARNAUD

Wednesday 09 October 2019

Thermal Analysis and Software Tools - Newton 2 (09:00-10:30)

-Conveners: Matthew Vaughan; Harrie Rooijackers

time	[id] title	presenter
09:00	[15] Parametrisation of a Thermal Model with ESATAN Thermal Modelling Suite	Mr DOMANSKI, Krzysztof
09:30	[35] Systema-Thermica	LEPILLIEZ, Mathieu
10:00	[14] Post-processing of Thermal Model Data with ESATAN Thermal Modelling Suite	Mr MCINTOSH, James

Thermal Analysis and Software Tools - Newton 2 (11:00-13:00)

-Conveners: James Etchells

time	[id] title	presenter
11:00	[25] Toward The Integration of Aero-Thermodynamics and Space Debris Re-entry Capabilities within ESATAN-TMS	Mr FALCHI, Alessandro
11:30	[49] Development and verification of a linear conductor generator with different triangle calculation methods	MOELLER, Jan Philipp
12:00	[38] TROPICS: An interface between OCDT and ThermiCalc for accelerated thermal design	Mr FLECHT, Tobias Mr SCHERRMANN, Marcel
12:30	[44] MetOp SG MWI On Ground Calibration Targets: thermal analysis, design and development	RIZZO, Davide

Thermal Analysis and Software Tools - Newton 2 (16:30-18:00)

-Conveners: Harrie Rooijackers; James Etchells

time	[id] title	presenter
16:30	[24] Challenges implementing a stratospheric balloon ascent phase in ESATAN-TMS	Mr GONZÁLEZ-BÁRCENA, David Mr PIQUERAS, Javier
17:00	[37] Machine learning algorithms to develop predictive thermal tools for spacecraft simulations	Dr SEMLER, Christian
17:30	[54] First steps of numerical simulation using Artificial Intelligence	VADEZ, Vincent ALLIEZ, Pierre