

European Space Thermal Engineering Workshop 2024

Tuesday 8 October 2024

Thermal Analysis - Newton (11:30 - 13:00)

-Conveners: Arthur Dunlop

time	[id] title	presenter
11:30	[58] ANTENNA THERMAL ANALYSIS OF AEROBRAKING PHASE – A TASI APPROACH	SCIULLI, DIANA
12:00	[45] THERMAL MODELLING OF LARGE DEPLOYABLE REFLECTOR MESH SURFACE	DI LELLA, GIOVANNI
12:30	[38] Thermal modelling of an optical instrument using ANSYS FEA	PARTZSCH, Marian

Thermal Analysis - Newton (14:00 - 16:00)

-Conveners: Matthew Vaughan

time	[id] title	presenter
14:00	[6] Thermal Control System: a design data model to facilitate digital continuity	DARRAU, Alexandre Mrs MALEKI, Elaheh
14:30	[13] Digitalization of Thermal Engineering Processes	Mr DE KONING, Hans Peter
15:00	[53] Development of a CPU- and GPU-based Ray Tracer for Space Applications	THERMANN, David
15:30	[26] Creation of two thermal models of the 4N / 10kNs-class propulsion system using step-TAS and ESA's TD TAS converter	Mr WALKER, Alexander FLECHT, Tobias

Wednesday 9 October 2024

Thermal Analysis - Einstein (09:00 - 11:00)

-Conveners: **Alexandre Darrau**

time	[id] title	presenter
09:00	[49] Rationalization of Thermal Simulators for Operations	DARRAU, Alexandre ANDRE, Maxime Dr BASSET, Thierry BRUNETTI, François
09:30	[33] Methodology and simulation of thermal noise in the frame of LISA IDS instrument performance test	ANDRE, Maxime
10:00	[61] Leveraging Standardized Satellite Architecture For Thermal Analysis	FEVE, Adrien Ms KARMOUDI, Imane
10:30	[48] Trade-off of Optimization Algorithms for Space Thermal Engineering	Mr PIERRON, Baptiste

Thermal Analysis - Newton (14:00 - 16:00)

-Conveners: **Matthew Vaughan**

time	[id] title	presenter
14:00	[20] Predictive Modeling of Thermal Interfaces for Space Applications	Mr ANDERSON, Erik
14:30	[52] Development and Implementation of a Python GUI for Efficient Management of ESATAN-TMS Thermal Models	PIQUERAS CARREÑO, Javier
15:00	[47] Linearization of the Radiative Component of the Heat Transfer Equation for Space Thermal Analysis	Mr FABRE, Charles
15:30	[7] Comprehensive Thermal Management Analysis for NUSES and WINK Space Missions Using COMSOL Multiphysics	ATALAY, Uygur

Thermal Analysis - Newton (16:30 - 18:00)

-Conveners: **Duncan Gibson**

time	[id] title	presenter
16:30	[76] Update on thermal analysis and data exchange activities in ESA	ETCHELLS, James
17:00	[18] Optimization of detailed Cubsat thermal model coupled with system power budget analysis	RUEL, Jean-Frederic
17:30	[24] Efficient Integration of Space Thermal Analysis Model	CAUGANT, Antoine ETCHELLS, James

Thursday 10 October 2024

Thermal Analysis - Einstein (09:30 - 11:00)

-Conveners: **Arthur Dunlop**

time	[id] title	presenter
09:30	[59] Pycanha: An Open-Source Tool for Thermal Analysis	PIQUERAS CARREÑO, Javier
10:00	[42] Accelerating Aerospace Development through Ansys Thermal Desktop	RAMIREZ LASTRA, Monica
10:30	[71] ESATAN Thermal Modelling Suite - Product Developments	BROUQUET, Henri

Thermal Analysis - Einstein (11:30 - 13:00)

-Conveners: **Alexandre Darrau**

time	[id] title	presenter
11:30	[54] Benchmarking Radian: a cloud-based thermal analysis software	CRIADO, David
12:00	[17] Thermal Correlation of Reduced Models Using an Adjoint-Based Solver	RUEL, Jean-Frederic