



# European Space Thermal Engineering Workshop 2021

## Tuesday, 12 October 2021

### Thermal Analysis: Thermal Analysis (11:15 - 12:15)

-Conveners: Harrie Rooijackers

time	[id] title	presenter
11:15	[11] Systema-Thermica	LEPILLIEZ, Mathieu CAUGANT, Antoine
11:45	[29] ESATAN Thermal Modelling Suite - Product Developments	BROUQUET, Henri

### Thermal Analysis: Thermal Analysis (13:15 - 14:15)

-Conveners: James Etchells

time	[id] title	presenter
13:15	[19] Characterization test of thermal heat leaks in electrical harnesses	ANDRE, Maxime
13:45	[17] Application of stochastic approach for satellite data processing unit (DPU) thermal analysis	JURKOWSKI, Artur

### Thermal Analysis: Thermal Analysis (15:45 - 16:30)

-Conveners: Matthew Vaughan

time	[id] title	presenter
15:45	[12] A NOVEL ADJOINT BASED THERMAL CORRELATION TECHNIQUE USING SIMCENTER 3D SPACE SYSTEMS THERMAL	Dr SEMLER, Christian
16:15	[33] STEP-TAS status update	ETCHELLS, James

# Wednesday, 13 October 2021

## **Thermal Analysis: Thermal Analysis (09:00 - 09:30)**

-Conveners: Romain PEYROU-LAUGA

time	[id] title	presenter
09:00	[35] DESIGN OF A THERMAL ANALYSIS TOOL FOR PRELIMINARY RADIATOR SIZING ON THE MOON	VÍLCHEZ LLAMAZARES, Enol

## **Thermal Analysis: Thermal Analysis (11:30 - 12:30)**

-Conveners: Harrie Rooijackers

time	[id] title	presenter
12:00	[18] TMM Reduction using Machine Learning Techniques	VADEZ, Vincent

## **Thermal Analysis: Thermal Analysis (13:30 - 14:00)**

-Conveners: Paolo Ruzza

time	[id] title	presenter
13:30	[30] ESATAN Thermal Modelling Suite – A New Rapid User Interface	MCINTOSH, James

# Thursday, 14 October 2021

## **Thermal Analysis: Thermal Analysis (09:00 - 10:00)**

**-Conveners: Elena Checa**

time	[id] title	presenter
09:00	[9] Prediction of the Thermal Conductivity of Foam Insulations by a Surrogate Model	WENDT, Christian FRANKE, Luis
09:30	[27] Modelling a polar lunar landing site with ESATAN-TMS	VAUGHAN, Matthew HAGER, Philipp

## **Thermal Analysis: Thermal Analysis (10:15 - 10:45)**

**-Conveners: Matthew Vaughan**

time	[id] title	presenter
10:15	[7] Validation of a Spacecraft HARness Evaluation tool (SHARE) using black-box optimization	Mr BLOEM, Edwin