

## **Session Program**

**9-11 Sept 2025**

# **European Space Thermal Engineering Workshop 2025**

## **Thermal Analysis**

ESA/ESTEC, Einstein and Newton  
Keplerlaan 1 2201 AZ Noordwijk The Netherlands

# Tuesday 9 September

14:00

## Thermal Analysis

Session | Location: Einstein | Convener: Arthur Dunlop

|             |                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:00-14:30 | <b>From Experimental Models to Daily Simulations: Advancing Thermal Reliability Assessment for Spacecraft</b><br><br><b>Speaker</b><br>Vincent Vadez |
| 14:30-15:00 | <b>Advancements in thermal co-simulation using FMI (EISTAM follow-on)</b><br><br><b>Speakers</b><br>Antoine Caugant, Mr Matthieu Rodriguez           |
| 15:00-15:30 | <b>First steps with Generative AI in thermal analysis workflows</b><br><br><b>Speaker</b><br>Matthew Vaughan                                         |
| 15:30-16:00 | <b>ESATAN-TMS</b><br><br><b>Speaker</b><br>Henri Brouquet                                                                                            |

16:00

## Wednesday 10 September

10:00

### Thermal Analysis

**Session** | **Location:** Einstein | **Convener:** Romain PEYROU-LAUGA

10:00–10:30

#### **Coupling Orbit Propagation and Abaqus FEA for Spacecraft Thermal Control Design and Innovation**

**Speaker**

Puyu Shi

10:30–11:00

#### **Thermal Analysis and Testing of the Enfys Electronics Box**

**Speaker**

Nivraj Chana

11:00

# Thursday 11 September

09:00

## Thermal Analysis

**Session** | **Location:** Newton 1 | **Convener:** Duncan Gibson

09:00–09:30

### SYSTEMA - THERMICA

#### Speaker

Léa Galeron

09:30–10:00

### Radian: Developments during 2025 for a cloud-based thermal analysis software

#### Speaker

David Criado

10:00–10:30

### Ansys Thermal Desktop new features and coming developments

#### Speaker

Daniel Navajas Ortega

10:30–11:00

### Thermal Modeling for Early Design Phases

#### Speakers

Katell Le Floch, Noé Bursachi

11:00

11:30

## Thermal Analysis

**Session** | **Location:** Newton 1 | **Convener:** Matthew Vaughan

11:30–12:00

### Dynamic Thermal Simulation of a Reusable Inflatable Atmospheric Decelerator during Entry and Descent from LEO towards Earth

#### Speaker

Dr Corey Packard

12:00–12:30

### Wavelength dependency of thermo-optical properties and their role in testing on cryotemperatures

#### Speakers

Mr Niels Hendrik Schibilla, Mr Zsolt Péterbencze

12:30–13:00

### Thermal Correlation of a mechanically driven loop heat pipe for deep space science missions

#### Speaker

Dr Florian Sanchez

13:00