

Programme Day 1

- 9:00 Registration
- 9:45 **Welcome and introduction**
Harrie Rooijackers (ESA/ESTEC, The Netherlands)
- 10:00 **A proposition for updating the environmental standards using real Earth Albedo and Earth IR Flux for Spacecraft Thermal Analysis**
Romain Peyrou-Lauga (ESA/ESTEC, The Netherlands)
- 10:30 **JUICE Thermal Analysis Challenges**
Alejo Ares (Airbus Toulouse, France)
- 10:55 **Thermal Modelling of Luna 27 Landing Site**
Hannah Rana & Vito Laneve & Philipp Hager & Thierry Tirolien (ESA/ESTEC, The Netherlands)
- 11:20 Coffee break in the Foyer
- 11:45 **Construction of a reduced thermal model of a Traveling Wave Tube with a modal method**
Martin Raynaud (Thales Alenia Space, France)
Quentin Malartic & Frederic Joly & Alain Neveu (Universite Evry Val Essonne, France)
- 12:10 **Baseplate Pyramid Modelling of the Calibration Target for the MetOp-SG Microwave Sounder Instrument (MWS)**
Katherine Ostojic (RAL Space, United Kingdom)
- 12:35 **Enhancement of Loop Heat Pipe module for thermal analysis**
Ludovic Zurawski (Airbus Toulouse, France)
Patrick Hugonnot & Paul Atinsounon (Thales-Alenia Space, France)
James Etchells (ESA/ESTEC, The Netherlands)
- 13:00 Lunch in the ESTEC Restaurant
- 14:00 **Improved Integrated Way of Post-processing Thermal Model Data**
Nicolas Bures (ITP Engines UK, United Kingdom)
- 14:25 **Thermal Analysis of Electrochromic Radiators on Sentinel 2**
Oliver Kluge & Alexander Zwiebler & Dr. Tino Schmiel & Prof. Dr. Martin Tajmar
(Dresden University of Technology, Germany)
Martin Altenburg (Airbus Defence and Space, Germany)
- 14:50 **Thermal analysis approach for finding Bepi Colombo MTM SA wing generated PV power**
Niels van der Pas (Airbus Defence and Space, The Netherlands)
- 15:15 **Time-Varying Thermal Dynamics Modeling of the Prototype of the REMS Wind Sensor**
Maria-Teresa Atienza & Lukasz Kowalski & Sergi Gorreta & Vicente Jiménez & Manuel Domínguez-Pumar
(Universitat Politecnica d’Catalunya, Spain)
- 15:40 Coffee break in the Foyer

- 16:15 **A MLI model based on transient model correlation**
Jan Klement & Lena Bötsch & Jonas Klose & Christian Walker (Tesat-Spacecom GmbH, Germany)
- 16:40 **Methods to Improve Thermal Test Efficiency (MITTE)**
Patrick Coutal (Airbus Toulouse, France)
James Etchells (ESA/ESTEC, The Netherlands)
- 17:05 **Thermal Modelling of EarthCARE Instruments' Electronics Boxes**
Allan Dowell (Thales Alenia Space, United Kingdom)
- 17:30 Social Gathering in the Foyer
- 19:30 Dinner in *Blu Beach*

Programme Day 2

- 9:00 **Quality assessment for parameters obtained with model correlation**
Jan Klement (Tesat-Spacecom GmbH, Germany)
- 9:25 **FiPS® — Thermal Fluid-Structure Interaction**
Patricia Netzlaf (Ariane Group, Germany)
- 9:50 **Multi-dimensional Ablation and Thermal Response Program for atmospheric entries**
Viola Renato (University of Strathclyde, Scotland UK)
- 10:15 **ESATAN Thermal Modelling Suite — Product Developments**
Chris Kirtley (ITP Engines UK, United Kingdom)
- 10:40 **Data exchange for thermal analysis — a status update**
James Etchells & Duncan Gibson & Harrie Rooijackers & Matthew Vaughan (ESA/ESTEC, The Netherlands)
- 10:50 Coffee break in the Foyer
- 11:20 **SYSTEMA - THERMICA**
Antoine Caugant & Rose Nerriere & Tomothée Soriano (Airbus Defence and Space SAS, Toulouse, France)
- 11:45 **Model correlation of Meteosat Third Generation Platform STM**
Emmanuelle Fluck (OHB System AG, Germany)
- 12:10 **Development of a Modularized and Scalable Thermal Model for Small Satellites**
Alexander Zwiebler & Oliver Kluge & Claudius Birkefeld & Dr. Tino Schmiel & Prof. Dr. Martin Tajmar
(Dresden University of Technology, Germany)
- 12:35 **DySCo — improvement of thermal vacuum test monitoring and exploitation in real time**
Guillaume Pelissier (Airbus Toulouse, France)
- 13:00 Closure
- 13:10 Lunch in the ESTEC Restaurant

