Session Program

Oct 8 – 10, 2024

European Space Thermal Engineering Workshop 2024

Thermal Control

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

Tue, October 8

4:30 PM

Thermal Control

Session | **Location:** Newton | **Convener:** Dr Philipp Hager

4:30 – 5:00 PM

Phase Change Material Heat Capacitor: performance reached for an hypersonic glider and industrialisation

Speaker
JP Collette

5:00 – 5:30 PM

Phase Change Material in Space Electronic Systems for ADHA and Space VPX standards: simulations and TVAC testing

Speakers
Artur Jurkowski, Radosław Paluch

5:30 – 6:00 PM

Development of efficient concepts for mounting of thermal MLI blankets

Speaker
Klaus Reitterer

6:00 PM

Wed, October 9

9:00 AM

Thermal Control

Session | **Location:** Newton | **Convener:** Giulio Tonellotto

9:00 – 9:30 AM

Evolution of thermo-optical properties of solar panels or thermal control materials with lunar dust simulants contamination

Speaker
Dr Philipp Hager

9:30 – 10:00 AM

Adjustable Support Structure for Optical Sensors, ASSOSS - Thermal System

Speakers
Mr Carlos Saunders, Ms Shehna Sagaria

10:00 – 10:30 AM

Development of a Deployable Radiator Equipped with Loop Heat Pipes for high throughput communication satellites.

Speaker
Takeshi Miyakita

10:30 – 11:00 AM

Multicase topology optimization for the thermal design of space systems

Speaker
Carlos Arroyo Ruiz

11:00 AM

4:30 PM

Thermal Control

Session | **Location:** Einstein | **Convener:** Marc Broussely

5:00 – 5:30 PM

IMPROVEMENT OF ANTENNA THERMAL RADIATORS EFFICIENCY USING AN INNOVATIVE TAPE AS OPTICAL SOLAR REFLECTOR

Speaker
DIANA SCIULLI

5:30 – 6:00 PM **The development of First-Flex, a new flexible Optical Solar Reflector**

Speaker
Sandro Mengali

6:00 PM