

Session Program

Oct 10 - 12, 2023

**European Space Thermal Engineering
Workshop 2023**

Heat Transport

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

Wed, October 11

2:00 PM

Heat Transport: 2-Phase

Session | **Location:** Newton | **Convener:** Paula Prado Montes

2:00 – 2:30 PM **In Orbit Demonstrator for LHP² and AG190**

Speakers

Mr John Ponsy, Mikael Mohaupt

2:30 – 3:00 PM

Development of a vapour chamber in additive manufacturing for LEO active antennas. Trade-off and preliminary design

Speaker

Pedro Argente Hernández

3:00 – 3:30 PM

JAXA Two-phase Heat Transport Technology Development Overview

Speaker

Atsushi Okamoto

3:30 – 4:00 PM

GEO Telecom Satellite Thermal Control System: Hardware and development outline for a high power removal and transport system

Speaker

Jose Luis Pastor

4:00 PM

Thu, October 12

9:00 AM

Heat Transport: 2-Phase

Session | **Location:** Einstein | **Convener:** Mr emmanuel caplanne

9:00 - 9:30 AM

Development and testing of a mechanically pumped loop for active antennae

Speaker

Henk Jan van Gerner

9:30 - 10:00 AM

Comparison of Cu-H₂O Heat Pipes and Al- NH₃ Heat Pipes for external homogenization of an electronic box

Speaker

Dr Annika Hell

10:00 - 10:30 AM

Chemical Compatibility of Various Working Fluids with Additively Manufactured Materials for Two-Phase Cooling Systems.

Speaker

Dr Colin Butler

10:30 - 11:00 AM

Experimental characterization of a SiC-Ammonia heat pipe after 2-year storage in room conditions

Speaker

Guillaume Boudier

11:00 AM