

Session Program

Oct 8 - 10, 2019

**European Space Thermal Engineering
Workshop 2019**

2-Phase Heat Transport Technology

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

Wed, October 9

9:00 AM

2-Phase Heat Transport Technology

Session | **Location:** Newton 1 | **Convener:** Mr Emmanuel Caplanne

9:00 - 9:30 AM

On-orbit Experiment of Oscillating Heat Pipe and Loop Heat Pipe

Speaker

Dr Atsushi Okamoto

9:30 - 10:00 AM

Development of a Novel Positive Displacement Pump for Mechanically Pumped Loops

Speaker

Mr Charlton Castro

10:00 - 10:30 AM

Minimising Temperature Gradients Within an Optical Support Plate Using Active Thermal Control

Speaker

Mr Edward Nelson

10:30 AM

4:30 PM

2-Phase Heat Transport Technology

Session | **Location:** Newton 1 | **Convener:** Gunnar Sieber

4:30 - 5:00 PM

Compact and lightweight two-phase pumped cooling system with 3D printed aluminium components

Speaker

Dr Henk Jan van Gerner

5:00 - 5:30 PM

Medium LHP state of the art

Speaker

Mrs Typhaine Coquard

5:30 - 6:00 PM

A Separable Loop Heat Pipe for Cooling a Pressurised Cargo Module

Speaker

Mr Edward Nelson

6:00 PM