

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Tue-Or5

CICG - GENEVA, Switzerland
Rue de Varembe 17, 1202 Genève

Tuesday 23 July

16:00

Tue-Or5: Thermal Properties & Numerical Studies

Session | Location: Room A | Convener: Milind Atrey

16:00–16:15

Numerical study on transient heat transfer in forced flow of superfluid helium

Speaker

Yingxuan Hu

16:15–16:30

Solubility of hydrogen in liquid helium - development of a measurement apparatus

Speaker

Julian Will

16:45–17:00

Supercomputing of Cryogenic Fine Solid Nitrogen Particle Production Using Laval Nozzle for Physical Photo Resist Removal-Cleaning Technology

Speaker

Jun Ishimoto

17:00–17:15

Mesoscopic Numerical Study of Cryogenic Bubble Generation and Liquid-Vapor Interface Movement in Microgravity

Speaker

Hangjin Jo

17:15–17:30

Study of the thermo-mechanical properties of a lead-stainless-steel composite at 77 K

Speaker

Fernando Aretio Zárate

17:30–17:45

A new 3-omega technique for the measurement of thermal conductivity and diffusivity of cryogenic helium and hydrogen and their mixtures

Speaker

Ben Hamilton

17:45–18:00

Improved Heat Transfer Prediction Methods in Channels for Natural Gas Liquefaction

Speaker

Jinglei Wang

18:00