

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Thu-Po-3.4

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

Thursday 25 July

14:00

Thu-Po-3.4: Thermal Properties

Poster Session | Location: Poster area | Convener: Maciej Chorowski

Volume calculation and heat transfer performance simulation of a helical tube

Speaker

Meimei Zhang

Experimental study of enhanced cryogenic cool-down performance in metal pipe with polymer coating on the inside

Speaker

Youngjun Choi

Unusual thermal properties of the nonsuperconducting PrBCO cuprates at low temperatures

Speaker

Mahieddine Lahoubi

Numerical modelling of cavitation-induced water hammer in cryogenic fluid management systems with finite volume method

Speaker

Arjun Garva

Modelling heat ingress in LH2 containment systems - benchmarking improved thermal resistance network models against the finite element method

Speaker

Sindre Stenen Blakseth

Thermodynamic scaling analysis of cavitation-induced fluid transients in a cryogenic environment

Speaker

Arjun Garva

Model and dynamic simulation of the liquid hydrogen distribution by trailer

Speaker

Mr Christian Wolf

Research on transient measurement of thermal conductivity of ultra-low temperature frozen soil

Speaker

pengfei zhao

Cryogenic emissivity testing apparatus for insulating materials cooled by a cryocooler

Speaker

Dr Liubiao Chen

Heat transfer characteristics analysis of the large-scale cold storage solution based on moving bed

Speaker
Xiaoyu Fan

Cryogenic contact resistance and material conductivities in astronomic instrumentation: an experimental characterization.

Speakers
Mr Antonio Zamora-Jiménez, Mr Eduardo David González-Carretero, Mr Haroldo Lorenzo-Hernández

Development of a Machine Learning-Based Model for Cryogenic Film Boiling Flow Pattern Prediction During Transfer Line Chill-Down Operation

Speaker
Prof. Parthasarathi Ghosh

Thermal conductance measurement of electrically insulated joints for cryogenic applications

Speaker
Mr Vijay Soni

Thermal analysis of a conduction-cooled superconducting quadrupole for ILC Main Linac with large temperature margin

Speaker
Oscar Duran Lucas

Strange Behavior of Boiling Around Wire Heater at The Pressure Condition Very Close to The Lambda Point

Speaker
Shinji Hamaguchi

A GUI Based Property Package for Thermo-physical Properties of Cryogenic Fluids

Speakers
Dr Hitensinh Vaghela, Mr Nitin Shah, Dr Parthasarathi Ghosh

16:00