

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C3Po1C - Thermophysical Properties and Transport Processes III

Peppermill Reno
2707 S. Virginia St. Reno, NV 89502

Wednesday 21 May

09:15

C3Po1C - Thermophysical Properties and Transport Processes III

Poster Session | Location: Exhibit Hall, Tuscany Ballroom

C3Po1C-06: Three-dimensional simulations for evolving thermodynamic scaling laws in cryogenic cavitating fluid transients

Speaker

Arjun Garva

C3Po1C-01: Measurement of directional hydrodynamic parameters of woven mesh screen by Computational Fluid Dynamic (CFD)

Speaker

Dr Ali Ghavami

C3Po1C-02: Dynamic Performance Simulation of a Liquid Air Energy Storage System from Startup to Steady Operation

Speaker

Jiamin Du

C3Po1C-03: Modeling of the Cryogenic Liquid Regasification Process with Consideration of Evaporation and Superheating

Speaker

Ziemowit Malecha

C3Po1C-04: A mesoscopic approach for simulating boiling phase change of liquid hydrogen

Speaker

Zhaoqi Zheng

C3Po1C-05: Experimental study on inclined two-phase flow cooling of multi-stranded aluminum cable

Speaker

Mr Yang Guo

C3Po1C-07: Study on the flow nucleate boiling heat transfer of slush nitrogen

Speaker

Bo Zhao

C3Po1C-08: Completion of vapor-liquid equilibrium measurements of the helium-neon system at temperatures below 36 K

Speaker

Mr Julian Schunk

C3Po1C-09: Modeling of thermal performance in self-pressurized liquid helium tanks

Speakers

Xiujian Xie, Liang Guo, Ye Chen, Wei Wu, Mr Qiming Jia, Shaoqi Yang

11:00