

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C1Po3D - Thermophysical Properties and Transport Processes I

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

Monday 19 May

14:00

C1Po3D - Thermophysical Properties and Transport Processes I

Poster Session | Location: Exhibit Hall, Tuscany Ballroom

C1Po3D-02: Study on Helium Adsorption Properties of Carbon Nanotubes in the Liquid Helium Temperature Range Based on the Monte Carlo Method

Speaker

Zhijian Zhang

C1Po3D-03: Measurement of Apparent Thermal Conductivity of Insulation Materials at Cryogenic Temperatures

Speaker

Zhijian Zhang

C1Po3D-04: Transient Heat Transfer in Superfluid Helium from Localized Heating Spots on Spherical Surfaces

Speaker

Yingxuan Hu

C1Po3D-05: Simulation Research on the Transient Characteristics of the Helium Turbine Expander

Speaker

Chenghao Dai

C1Po3D-06: Streamlined Heat Leak Estimation for Vacuum Jacketed Cryogenic Pump Assemblies

Speaker

Mr Chris Rista

C1Po3D-07: Design considerations for valve dynamics of a positive displacement cryogenic pump

Speaker

Brandon Demski

C1Po3D-01: Design and performance analysis: characteristics of multi-dimension helium turbine brake wheels based on CFX simulation

Speaker

Mr Changlei Ke

C1Po3D-08: A review of the technology practice and future opportunities of liquid hydrogen centrifugal pumps

Speaker

Prof. Jihao Wu

C1Po3D-09: Design and optimization of a Single-Phase heat exchanger for GM cryocooler coupled with parahydrogen conversion catalyst

Speaker

Jihao Wu

16:00