

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C10r4A - Thermophysical Properties and Transport Processes II

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

Monday 19 May

16:15

C1Or4A - Thermophysical Properties and Transport Processes II

Session | Location: Capri 1

16:15-16:30

C1Or4A-01: Validating effective thermal conductivity of glass microspheres in cryogenic storage insulation via finite element analysis

Speaker

Dr Marc Dunham

16:30-16:45

C1Or4A-02: Development of a test apparatus for thermal conductivity measurements of insulation materials with adsorbed nitrogen between 20 and 77 K

Speaker

Justin Jessop

16:45-17:00

C1Or4A-03: Experimental study on the heat transfer coefficient in the vacuum degradation process

Speaker

Prof. Jaroslaw Polinski

17:00-17:15

C1Or4A-04: Wicking dynamics of cryogenic liquids in superheated porous media

Speaker

Rick Spijkers

17:15-17:30

C1Or4A-05: Lumped-element modeling of density wave oscillations in two-phase hydrogen flow

Speaker

Trinity Templeton

17:30-17:45

C1Or4A-06: Development and validation of a vibrating-wire viscometer for liquid natural gas measurements down to 80 K

Speaker

Yilun Yang

17:45