

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C1Po3A - Cryogenic Components I

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

Monday 19 May

14:00

C1Po3A - Cryogenic Components I

Poster Session | Location: Exhibit Hall, Tuscany Ballroom

C1Po3A-01: Optimization design of the brake impeller for cryogenic hydrogen turbine expanders

Speaker

Mr Changlei Ke

C1Po3A-02: Experiment research of intermittent flow cold storage surface heat exchanger

Speaker

Wenhui Cui

C1Po3A-05: Experimental study of two thermally-connected hydraulically-independent 20-tube neon pulsating heat pipes working in parallel

Speaker

Tisha Dixit

C1Po3A-08: Dynamic Analysis and Optimization of Aerostatic Bearing-Rotor Systems in Cryogenic Turbo Expanders

Speaker

Shun Qiu

C1Po3A-03: Numerical simulation of active refrigeration for liquid helium storage

Speaker

Xiujuan Xie

C1Po3A-04: Investigations on anti-surge control of cold compressors using bypass valve in superfluid helium refrigeration system

Speakers

Baohua Chao, Huaiyu Chen, Jihao Wu, Jin Shang, Dr Jin Zhen Wang, Mr Lei Yi

C1Po3A-06: Design and optimization of return gaseous helium heater for 2 K cryogenic test bench

Speakers

Huikun Su, Mr Haining Li

C1Po3A-07: Lumped Modeling of Cooling and Electric Devices in Aircraft

Speaker

Xianhao Zhang

16:00