

Session Program

May 18 - 22, 2025



CEC/ICMC 2025 Abstracts & Technical Program

C3Po1F - Aerospace Applications II

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

Wed, May 21

9:15 AM

C3Po1F - Aerospace Applications II

Poster Session | Location: Exhibit Hall, Tuscany Ballroom | Convener: Prof. Srinivasa Vanapalli

C3Po1F-07: Thermal Control Units for Space Vacuum Chambers

Speaker

Marco Roveta

C3Po1F-06: Development and projected capabilities of Chamber D

Speaker

Stephen Baker

C3Po1F-05: Development and preliminary testing of cryogenic pump for TVS test

Speaker

Isang Yu

C3Po1F-04: Study on Cryogenic Fluid Circulation Loops for Efficient Heat Transfer of Small Cooling Capacities in the 4-20 K Temperature Range

Speaker

Dr Liubiao Chen

C3Po1F-03: Performance optimization of a 4K hybrid JT cooler for space application

Speaker

Yuexue Ma

C3Po1F-02: A 100 mW@4.0 K hybrid 4He Joule-Thomson cryocooler for space applications

Speaker

Yuexue Ma

C3Po1F-01: Conceptual design of a lab-scale low-noise He-II liquefier using a pulse-tube cryocooler with a Joule-Thomson cycle

Speaker

Mr Timo Weckerle

C3Po1F-08: Power requirements and energy recovery in Stirling and pulse tube cryocoolers for space missions

Speaker

Ojas Khadakban

11:00 AM