

## Session Program

18-22 May 2025



## CEC/ICMC 2025 Abstracts & Technical Program

### *C3Po1F - Aerospace Applications II*

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

## Wednesday 21 May

09:15

### C3Po1F - Aerospace Applications II

Poster Session | Location: Exhibit Hall, Tuscany Ballroom

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

**Speaker**

Ojas Khadakban

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

**Speaker**

Yuexue Ma

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

**Speaker**

Yuexue Ma

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

**Speaker**

Isang Yu

#### C3Po1F-06: Development and projected capabilities of Chamber D

**Speaker**

Stephen Baker

#### C3Po1F-07: Thermal Control Units for Space Vacuum Chambers

**Speaker**

Marco Roveta

#### C3Po1F-09: Performance and qualification of the HTS flux pump bound for the international space station on the Heki mission

**Speaker**

Ben Mallett

11:00