

Session Program

May 18 - 22, 2025



CEC/ICMC 2025 Abstracts & Technical Program

C2Po3D - New Devices, Novel Concepts, and Miscellaneous II

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

Tue, May 20

2:00 PM

C2Po3D - New Devices, Novel Concepts, and Miscellaneous II

Poster Session | **Location:** Exhibit Hall, Tuscany Ballroom | **Conveners:**
Dr Bertrand Baudouy, Mr Wolfgang Stautner

C2Po3D-09: A Liquid Air Energy Storage (LAES) System Utilizing Upgraded LNG Cold Energy for Air Liquefaction

Speaker
Jiamin Du

C2Po3D-07: An integrated tool for helium recovery and evaporative cooling

Speaker
Dogan Celik

C2Po3D-06: The New Valve Era for Cryogenics- Design Considerations and Electric Solutions with focus on liquified Hydrogen and Helium

Speaker
Leire Colomo Zulaica

C2Po3D-05: Federated Learning Framework to support AI-Driven Prescriptive Maintenance in Large-Scale Cryogenic Infrastructures at CERN

Speaker
Paolo Cacace

C2Po3D-04: Catalytic materials for ortho-parahydrogen conversion in a thermoacoustic cryocooler regenerator

Speakers
Matthew Shenton, Nathan Jorgensen

C2Po3D-03: A deployable barrier preventing liquid oxygen accumulation and safety risks during liquid hydrogen transfers

Speakers
Kyle Appel, Matthew Shenton

C2Po3D-02: Experimental results from the cryogenic cooling of a rotor using an internal pump

Speaker
Dr Alan Caughley

C2Po3D-01: Design, manufacturing & commissioning of the high brightness liquid para-hydrogen moderator for the European Spallation Source

Speaker
Dr Yannick Bessler

C2Po3D-08: Advances in small scale cryogenic magnetic refrigeration

Speaker
Dr Robin Ihnfeldt

4:00 PM