

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C20r4C - Cryogenic Components III

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

Tuesday 20 May

16:15

C2Or4C - Cryogenic Components III

Session | Location: Capri 4

16:15-16:30

C2Or4C-01: Development of a two-phase, variable nozzle jet-pump for pressure control in liquid hydrogen systems

Speaker

Yulia Gitter

16:30-16:45

C2Or4C-02: Design and testing of a submersible laboratory-sized cryogenic liquid hydrogen pump

Speaker

Henrik-Gerd Bischoff

16:45-17:00

C2Or4C-03: Lightweight, high-flow valve for cryogenic propellant management on aircraft and spacecraft

Speaker

Lucas O'Neill

17:00-17:15

C2Or4C-04: Enhanced Power Control and Maintenance-Free Turbine Retrofit in a Cryogenic Hydrogen Process for Tritium Removal

Speaker

Mr Johannes Schreiber

17:15-17:30

C2Or4C-05: Development and validation of a 1D oil-injected screw compressor model for helium cryogenic system applications

Speaker

Mr Scott Anthony

17:30-17:45

C2Or4C-06: Modeling and Analysis of Graded Heat Exchangers for Cryogenic Power System of Electric Aircraft Using the AeroCryoX

Speaker

Chul Han Kim

17:45-18:00

C2Or4C-07: Gas bearing turbo compressor and expander technology for cryogenic applications

Speaker

Mr Martin Bartholet

18:00