

Session Program

May 18 - 22, 2025



CEC/ICMC 2025 Abstracts & Technical Program

C30r3B - New Devices, Novel Concepts, and Miscellaneous III

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

Wed, May 21

2:00 PM

C3Or3B - New Devices, Novel Concepts, and Miscellaneous III

Session | Location: Capri 2/3 | Conveners: Franklin Miller, John Weisend

2:00 - 2:15 PM **C3Or3B-01: High pressure burst tests at cryogenic temperatures**

Speaker

Eberhard Rosenthal

2:15 - 2:30 PM

C3Or3B-02: Cryogenics in the drilling of deep, multi kilometer geothermal wells

Speaker

Maciej Chorowski

2:30 - 2:45 PM

C3Or3B-03: A methodology for evaluating MEMS switch reliability at cryogenic temperatures

Speaker

Mr Peter Bradley

2:45 - 3:00 PM

C3Or3B-04: Development of hydrogen-filled traveling-wave thermoacoustic engine for powering pulse-tube and traveling-wave refrigerators

Speaker

Matthew Shenton

3:00 - 3:15 PM

C3Or3B-05: Large diameter helium pulsating heat pipe as promising thermal link for cryocooler-cooled superconducting magnet systems

Speaker

Bertrand Baudouy

3:15 - 3:30 PM

C3Or3B-06: Compact nitrogen pulsating heat pipes - Experimental thermal analysis with numerical insights

Speaker

Marcin Opalski

3:30 - 3:45 PM

C3Or3B-07: 50 Years of Innovation: Cryogenics and Superconductivity in Biomedical Applications

Speaker

Dr Quansheng Shu

3:45 - 4:00 PM

C3Or3B-08: Optimizing cryoprobe tip geometry for enhanced cryoablation efficacy: A numerical simulation approach

Speaker

Dr Arpit Mishra

4:00 PM