

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C30r3B - New Devices, Novel Concepts, and Miscellaneous III

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

Wednesday 21 May

14:00

C3Or3B - New Devices, Novel Concepts, and Miscellaneous III

Session | Location: Capri 2/3

14:00–14:15 **C3Or3B-01: High pressure burst tests at cryogenic temperatures**

Speaker

Eberhard Rosenthal

14:15–14:30

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

Speaker

Maciej Chorowski

14:30–14:45

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

Speaker

Mr Peter Bradley

14:45–15:00

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

Speaker

Matthew Shenton

15:00–15:15

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

Speaker

Bertrand Baudouy

15:15–15:30

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

Speaker

Marcin Opalski

15:30–15:45

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

Speaker

Dr Quansheng Shu

15:45–16:00

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

Speaker

Dr Arpit Mishra

16:00