

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Tue-Or6

CICG - GENEVA, Switzerland
Rue de Varembe 17, 1202 Genève

Tuesday 23 July

16:00

Tue-Or6: New Devices & Concepts

Session | Location: Room B+C | Convener: Tripti Sekhar Datta

16:00–16:15

Heat transfer and thermodynamic stability study of a self-sustained vertical cooling loop in He I and He II

Speaker

Torsten Koettig

16:15–16:30

Experimental improvements to the acoustic expander with applications to cryogenic refrigeration

Speaker

Jacob Adams

16:30–16:45

Tracing characteristic evaluation of Spontaneously-Condensed Nitrogen Droplets in Cryogenic Wind Tunnels

Speaker

Jiaxin Hou

16:45–17:00

World's 1st Magnetic Density Separation NbTi magnet, conduction cooled magnet performance & separation results

Speaker

Goncalo Tomas

17:00–17:15

Demonstration of a novel electro-chemical hydrogen refrigerator

Speaker

Daniel Hollibaugh

17:15–17:30

Techno-economic analysis of low-cost air separation units with peak-shaving

Speaker

Zhikang Wang

17:30–17:45

Development of Glass Fiber Composite Axial Insulating Cryogenic Vacuum Barrier for Superconducting Feeders of SST-1 Tokamak

Speaker

Rajiv Sharma

17:45–18:00

Neutron imaging of an operational dilution refrigerator

Speaker

Christopher Lawson

18:00