

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

M30r3A - [Special Session] Transportation III: High Power Components, Thermal Management

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

Wednesday 21 May

14:00

M3Or3A - [Special Session] Transportation III: High Power Components, Thermal Management

Session | Location: Naples 1/2

14:00-14:20

M3Or3A-01: [Invited] Cryogenic Thermal Management of Power Conversion Devices on Liquid Hydrogen Fueled Electric Aircraft

Speaker

Mr Yai Pioth Yai Deng

14:20-14:40

M3Or3A-02: [Invited] Liquid hydrogen cooling of superconducting motor AC windings

Speaker

Grant Lumsden

14:40-15:00

M3Or3A-03: [Invited] Development of high-temperature superconducting CORC® power cables for electrified aviation and naval applications

Speaker

Danko van der Laan

15:00-15:20

M3Or3A-04: [Invited] Lightweight cryoresistive and superconducting aerospace power transmission cables: experiments and theory

Speaker

Chris Kovacs

15:20-15:40

M3Or3A-05: [Invited] Cryogenic Bus Bar Design for Electric Aircraft Power Distribution

Speaker

Muhammad Tahir Mehmood Khan Niazi

15:40-16:00

M3Or3A-06: [Invited] A high power two-pole quick connect junction between lightweight cryoresistive and superconducting aerospace power transmission cables

Speaker

Chris Kovacs

16:00