

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

M30r4A - [Special Session] Transportation IV: Motors and Generators

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

Wednesday 21 May

16:15

M3Or4A - [Special Session] Transportation IV: Motors and Generators

Session | Location: Naples 1/2

16:15–16:45

M3Or4A-01: [Invited] 3D Numerical Modelling of AC Loss of Multifilamentary MgB₂ Wires at 20 K

Speaker

Prof. Zhenan Jiang

16:45–17:05

M3Or4A-02: [Invited] A Double Rotor Flux Switching Machine with HTS Field Coils for All Electric Aircraft Applications

Speaker

Timothy Haugan

17:05–17:25

M3Or4A-03: [Invited] Development of a 1 MW+ High power density induction motor for electric aircraft propulsion using Cryogenic Aluminum Windings

Speaker

Michael Sumption

17:25–17:45

M3Or4A-04: [Invited] The thermal management of superconducting and aluminum conductors in motors, generators and cables for electric aircraft

Speaker

Dr Xuan Peng

17:45–18:05

M3Or4A-05: [Invited] Superconducting Electric Machine with Cryogenically Cooled Stator for CHEETA

Speaker

Thanatheepan Balachandran

18:00–18:15

M3Or4A-06: A sustainable flight demonstrator using a retrofit high-temperature superconducting (HTS) brushless DC motor in an RC plane

Speaker

Ishan Ambastha

18:20