

## Session Program

18-22 May 2025



## CEC/ICMC 2025 Abstracts & Technical Program

### *M30r3B - AC Loss*

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

# Wednesday 21 May

14:00

## M3Or3B - AC Loss

Session | Location: Naples 4/5

14:00-14:15

### M3Or3B-01: A low AC loss, fast ramp HTS solenoid prototype for compact fusion energy system

Speaker

Yuhu Zhai

14:15-14:30

### M3Or3B-02: AC Loss in Round, Multifilamentary Superconducting Strands at High Frequencies

Speaker

Michael Sumption

14:30-14:45

### M3Or3B-03: Test Results for the Commissioning of NASA's AC Loss Superconducting Coil Test Rig

Speaker

Jason Hartwig

14:45-15:00

### M3Or3B-04: AC-loss Analysis in Stacks of Non-insulated REBCO Tapes

Speaker

Elena Tamagnini

15:00-15:15

### M3Or3B-05: Tradeoffs Curves and Penalty Functions for AC losses and $J_e$ relevant to high-power-density motor applications and their use in comparing various superconductors and normal metal conductors

Speaker

Mr Jin Kwon

15:15-15:30

### M3Or3B-06: Flux Jumping in High Magnetic Fields for Stack Tape Cables and its Mitigation

Speaker

Tushar Garg

15:30-15:45

### M3Or3B-07: Research and development of reel-to-reel REBCO multi-filamentary tape

Speaker

Zhan Zhang

15:45-16:00

### M3Or3B-08: AC loss in MgB<sub>2</sub> and Bi-2212 wires excited by a permanent magnet rotor

16:00

**Speaker**  
Justin Scheidler