

Session Program

22-27 Sept 2019



MT 26
**International Conference
on Magnet Technology**
Vancouver, Canada | 2019

MT26 Abstracts, Timetable and Presentations

Mon-Mo-Or3 - Quench and Normal Zone Behavior I

Hyatt Regency Hotel Vancouver
655 Burrard Street Vancouver, British Columbia, V6C 2R7 Canada

Sunday 22 September

11:15

Mon-Mo-Or3 - Quench and Normal Zone Behavior I

Session | **Location:** Regency EF | **Conveners:** Haigun Lee, Fedor Gömöry

11:15-11:30

Mon-Mo-Or3-01: Methods for performance diagnostics for Nb₃Sn accelerator magnets in the CERN superconducting magnet test facility

Speaker

Gerard Willering

11:30-11:45

Mon-Mo-Or3-02: Overall critical current in tapes and devices made from superconductors with critical current fluctuating along the wire length

Speaker

Fedor Gömöry

11:45-12:00

Mon-Mo-Or3-03: Use of Silicon Carbide Varistors For Quench Protection of Superconducting Magnets in Cryogenic Environments

Speaker

Andrew Twin

12:00-12:15

Mon-Mo-Or3-04: Cable Quench Simulations and Current Sharing in REBCO Conductors Wound on Round Cores (CORC) for High Field Accelerator Magnet

Speaker

Honghai Song

12:15-12:30

Mon-Mo-Or3-05: Quench Behaviour of Multi-Layer High Temperature Superconducting CORC Cables used in Hybrid Electric Aircraft

Speaker

Zixuan Zhu

12:30-12:45

Mon-Mo-Or3-06: Calibration, validation and application of a novel 1D thermal-hydraulic/electric model for the quench analysis of the Al-slotted core HTS conductor for fusion applications

Speaker

Andrea Zappatore

12:45