

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Sat-Mo-Po.05 - Quench Detection and Protection IV

Omni Boston Hotel at the Seaport
450 Summer Street Boston, MA 02210

Saturday 5 July

09:30

Sat-Mo-Po.05 - Quench Detection and Protection IV

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Giuseppe Montenero, Ye Bai

Sat-Mo-Po.05-01: From Modelling to Application: Exploring Quench Tolerance in High-Field HTS Magnets.

Speaker

Tom Simpson

Sat-Mo-Po.05-03: Effect of Screening Current on Stability of REBCO Magnets

Speaker

So Noguchi

Sat-Mo-Po.05-04: Precise solder shunt area control for improved quench protection in HTS magnets

Speaker

Cedric Korte

Sat-Mo-Po.05-05: Simulation of Thermal Diffusion and Critical Current Evolution in Large Superconducting Magnets with Active Quench Heaters

Speaker

Dr Dharmendra Shukla

Sat-Mo-Po.05-06: Coherent-Phase Optical Time Domain Reflectometry for Monitoring High Temperature Superconductor Magnet Systems

Speaker

Matthew Leoschke

Sat-Mo-Po.05-07: Tests and Analyses on Quench Behavior of Conduction-cooled No-Insulation Racetrack Coils

Speaker

Uijong Bong

Sat-Mo-Po.05-08: Optimization of distributed fiber optic sensors for quench detection in HTS cables

Speaker

Maria Baldini

Sat-Mo-Po.05-09: Quench behavior of graded REBCO tapes after heat treatment

Speaker

Xie Bowen

Sat-Mo-Po.05-02: Gas Properties Studies using Reflectometry: First Steps Toward Real Time Cooling Gas Temperature Monitoring in Superconducting Magnets

Speaker

Mr Oriol Fernández Serracanta

11:15