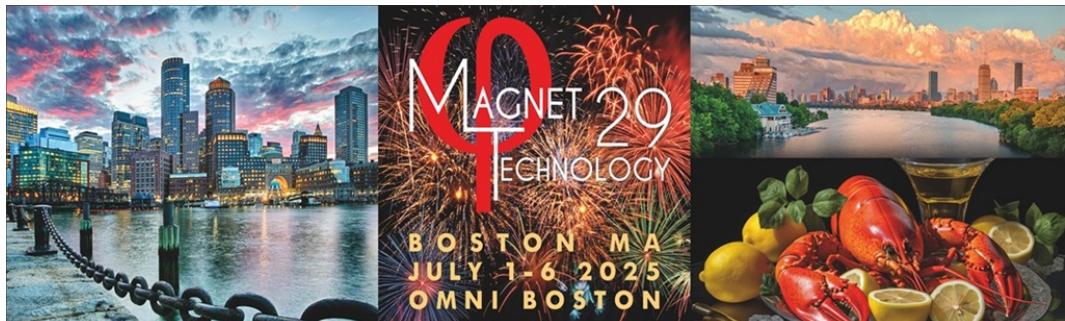


## Session Program

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