

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Fri-Mo-Po.09 - Novel and Other Applications II

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

Friday 4 July

09:30

Fri-Mo-Po.09 - Novel and Other Applications II

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Ernesto De Matteis, Kenneth Khumthong

Fri-Mo-Po.09-02: Test and Analysis of Feasibility for HTS Magnet in SMES Applications Using High-frequency Switching Power Electronics Circuits

Speaker

Dongsu Seo

Fri-Mo-Po.09-06: Dynamic characteristics of a fully HTS magnetic bearing under pulsed excitation

Speaker

Dr Changqing Ye

Fri-Mo-Po.09-08: Design of the evaluation system for materials testing using HTS coils at cryogenic temperature

Speaker

Dr Changhyun Kim

Fri-Mo-Po.09-07: Research on filament HTS tapes used in large capacity HTS shunt reactors

Speaker

Ruimin Zhao

Fri-Mo-Po.09-05: Development of a New-type HTS Linear Synchronous Motor for Long-distance Acceleration Applications

Speaker

Mr Chengxian Li

Fri-Mo-Po.09-03: Comparison of low temperature superconductor (LTS) and high temperature superconductor (HTS) for fast ramping magnet of adiabatic demagnetization refrigerator (ADR)

Speaker

Mr Dohoon Kwon

Fri-Mo-Po.09-01: Effect of stress along the high temperature superconducting tape conductor induced by vertical electromagnetic forces in a ship deperming racetrack coil carrying 200 kA electric current

Speaker

Megumi Hirota

Fri-Mo-Po.09-04: Design of a Distributed Coil Array Magnet System for Electromagnetic Stress Relief in Large Aluminum Alloy Rings

Speaker

Dr Xiaoxiang Li

11:15