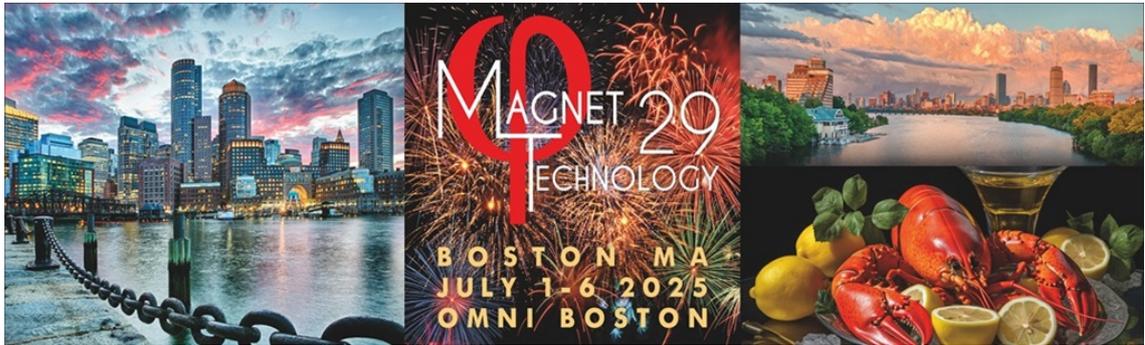


## Session Program

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