

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Thu-Af-Po.05 - Conductor and Coil Measurement/ Test Techniques and Facilities III

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

Thursday 3 July

14:00

Thu-Af-Po.05 - Conductor and Coil Measurement/Test Techniques and Facilities III

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Bárbara Santos, Tatsushi Nakamoto

Thu-Af-Po.05-06: Magnetic measurements of Fermilab rapid cycling Booster gradient magnets

Speaker

Joseph DiMarco

Thu-Af-Po.05-01: High-rate production and validation of Canis magnets

Speakers

Ketaki Tamhankar, Thomas Ikuss

Thu-Af-Po.05-02: Optimized design of frequency characteristics of high-sensitivity inductive coil for magnetization measurements

Speakers

Mr Shuo Huang, Mr Chao Dong

Thu-Af-Po.05-04: DeepONet-based surrogate model for efficient magnetic field analysis and coil design optimization

Speaker

Su Xin Wang

Thu-Af-Po.05-05: Inductive energization of one-turn secondary coil with single high-temperature superconducting wire by exciting primary coil with alternating current

Speaker

Dr Masayoshi Ohya

Thu-Af-Po.05-07: Dynamic resistance characteristics of multi-filamentary HTS tapes under perpendicular alternating magnetic fields

Speaker

Bin Feng

Thu-Af-Po.05-08: Impact of Critical Current Measurement Criteria on the Performance and Durability of HTS Coils under Conduction Cooling Conditions

Speaker

Dr Sung-Kyu Kim

Thu-Af-Po.05-09: Magnetostriction Measurement with π -Phase Shifted Fiber Bragg Grating under Pulsed High Magnetic Fields

Speaker

Zhuoheng Li

Thu-Af-Po.05-03: Real-time temperature distribution prediction for superconducting magnet cooling process based on improved physical information neural network

16:00

Speaker
MingLiang Liu