

## **Session Program**

**1-6 Jul 2025**



## **MT29 Abstracts and Technical Program**

### ***Fri-Mo-Po.01 - No-Insulation Coils IV***

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

## Friday 4 July

09:30

### Fri-Mo-Po.01 - No-Insulation Coils IV

**Poster Session** | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Bryce Fledderman, Itaru Abe

**Fri-Mo-Po.01-08: Design and construction of a small-scale layer-wound no-insulation (LW-NI) insert magnet with REBCO coated conductors operating in a background magnetic field exceeding 15 T**

**Speaker**

J.H. Wan

**Fri-Mo-Po.01-02: Stochastic analysis on the factors affecting critical current and index value of multi-tape co-wound NI HTS coil**

**Speaker**

Jung Tae Lee

**Fri-Mo-Po.01-05: A study on thermal stability of No-Insulation coil with multi-bundled HTS tapes under the open circuit condition**

**Speaker**

Hiroyasu Kobayashi

**Fri-Mo-Po.01-07: Design of Non-insulated HTS Coils for a stellarator demonstration experiment**

**Speaker**

Daniel Louis Arthur Biek

**Fri-Mo-Po.01-06: Measurement and analysis of radial stress for no-insulated High Temperature superconducting pancake coils**

**Speaker**

Dr Tianli Dai

**Fri-Mo-Po.01-04: Reduced screening-current-induced stress in NI-REBCO coils by actively degrading the critical current of REBCO tape through heat treatment**

**Speakers**

Xinxing Qian, Zhaofei Jiang

**Fri-Mo-Po.01-03: Characterizing the effects of distributed time constants and screening currents on the voltage responses of no-insulation HTS coils**

**Speaker**

Kibum Choi

**Fri-Mo-Po.01-01: Measurement and numerical analysis on the current distribution of parallel co-wound no-insulation REBCO coils**

**Speaker**

Yulong Liu

11:15