

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Wed-Af-Or2 - No-Insulation Coils II

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

Wednesday 2 July

16:30

Wed-Af-Or2 - No-Insulation Coils II

Session | **Location:** Momentum D

16:30–16:45

Wed-Af-Or2-01: Lessons learned from ultra-high-field, high-stress REBCO coil tests

Speaker

Dr Jeseok Bang

16:45–17:00

Wed-Af-Or2-02: Pyrolytic graphite: an effective solution for optimizing turn-to-turn resistivity and thermal conductivity in high-temperature superconducting coils

Speaker

Antonio Bianchi

17:00–17:15

Wed-Af-Or2-03: Investigation of contact resistivity dependent minimum quench energy for inductive-type quenches in no-insulation HTS coils

Speaker

Kibum Choi

17:15–17:30

Wed-Af-Or2-04: Field Collapse of a No-Insulation REBCO Coil During a Quench: Numerical Study

Speaker

Yi Li

17:30–17:45

Wed-Af-Or2-05: SMART Coil-to-Coil Insulation for Online Temperature Mapping of Non-Insulated (RE)Ba₂Cu₃O_{7-x} Pancake Coils

Speaker

Prof. Federico Scurti

17:45–18:00

Wed-Af-Or2-06: Self-protection Mechanism of Parallel-wound No-insulation, Metal-insulation, and Insulated Coils

Speaker

Yutong Fu

18:00–18:15

Wed-Af-Or2-07: Development of compact, fast ramping, high field HTS coils for fusion and other applications.

Speaker

Greg Brittles

18:15