

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Thu-Af-Po.02 - HTS Cable

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

Thursday 3 July

14:00

Thu-Af-Po.02 - HTS Cable

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Inmyung Park, Nicolo Riva

Thu-Af-Po.02-06: Study on electromagnetic field analysis model for coil windings composed of spiral copper-plated striated coated-conductor cables

Speaker

Dr Yusuke Sogabe

Thu-Af-Po.02-01: Numerical and experimental study of high current-carrying CICC with 24-layer CORC strands

Speaker

Yifeng Li

Thu-Af-Po.02-03: A Fast and Accurate Method for electromagnetic analysis of a CS Magnet Wound with Multilayer Cables

Speaker

Shuhao Peng

Thu-Af-Po.02-04: Numerical Study on transport AC Loss of 1 Mvar Toroidal Superconducting Shunt Reactor by multi-section separation method

Speaker

Zhixing Yang

Thu-Af-Po.02-05: Anisotropy analysis and AC loss characteristics of Twisted Stacked-Tape Cables with stepped groove

Speakers

Junfeng Yang, Shaotao Dai

Thu-Af-Po.02-09: Influence of various mechanical stresses during winding processes on current transport characteristics of SCSC cables

Speaker

Itaru Abe

Thu-Af-Po.02-10: Study of current sharing in high-temperature superconducting CORC® cables using finite-element model coupled with electrical circuit

Speaker

Yufan Yan

Thu-Af-Po.02-07: Current sharing in defected superconducting REBCO tape stack cables: FEM modeling.

Speaker

Milan Majoros

Thu-Af-Po.02-02: Critical Current Characteristics of Round REBCO Cables at 4.2 K and in High Magnetic Fields

Speaker

Xudong Wang

16:00