

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Wed-Af-Po.07 - Modelling and Analysis

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

Wednesday 2 July

14:30

Wed-Af-Po.07 - Modelling and Analysis

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Henryk Piekarz, Michael Sumption

Wed-Af-Po.07-04: Novel modelling and simulation of Superconducting Electric Machines based on J- Φ Coupled Models

Speaker

Hanlin Zhu

Wed-Af-Po.07-05: A semi-analytical stress analysis method for interturn separation in dry-wound electromagnetic coil

Speaker

Prof. Qiuliang Wang

Wed-Af-Po.07-07: Transient finite element simulation of superconducting accelerator magnets using thermal thin shell approximation

Speaker

Erik Schnaubelt

Wed-Af-Po.07-03: Analytic formulas for any system of coaxial, rectangular-cross-section,UCD coils

Speaker

Carl Weggel

Wed-Af-Po.07-01: Modeling method of transformer under strong steady magnetic field based on equivalent magnetic circuit network method.

Speaker

Xngjian Zhao

Wed-Af-Po.07-02: Efficient calculation of self-magnetic field, self-force, and self-inductance for electromagnetic coils with rectangular cross-section

Speaker

Dr Matt Landreman

16:30