

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Sat-Mo-Po.08 - Structural and Insulation Materials

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

Saturday 5 July

09:30

Sat-Mo-Po.08 - Structural and Insulation Materials

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Abdel Soufiane, Dr Etienne Rochepault

Sat-Mo-Po.08-10: Experimental study of the solderless joint on solenoid magnet with radial pressure structure

Speaker

Hyunsoo Park

Sat-Mo-Po.08-01: Plasma-driven film deposition method to enhance surface hydrophobicity of multi-filamentary REBCO tape

Speaker

Xueliang Wang

Sat-Mo-Po.08-02: Significance of corrosion phenomena for accelerator and fusion magnets

Speaker

Dr Stefano Sgobba

Sat-Mo-Po.08-05: Comparison of Nb₃Sn Insulation Systems with as received and de-sized glass

Speaker

Steve Krave

Sat-Mo-Po.08-06: Development of a cryogenic, vacuum, friction machine to test SPARC insulation

Speaker

Laurin Joseph

Sat-Mo-Po.08-08: Exploring novel mechanical reinforcement techniques using high-strength ceramic fiber for Bi-2212 magnets

Speaker

Emma Martin

Sat-Mo-Po.08-09: Ultra-high thermal conductivity metal-halide insulation for cryogenic electromagnets: processing and performance

Speaker

Chris Kovacs

Sat-Mo-Po.08-03: Experimental study of current sharing behavior of PANI-CNT coating ReBCO cables for use in accelerator magnets.

Speaker

Mr Yang Guo

Sat-Mo-Po.08-04: Gamma-Ray Irradiation Characteristics of an Organic Olefin-based Thermosetting Dicyclopentadiene Resin under Vacuum Atmosphere

Speaker

Xudong Wang

11:15

Sat-Mo-Po.08-07: Progress on NI-coil design for the EU DEMO Toroidal Field magnet

Speaker

Dr Mattia Ortino