

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Fri-Af-Po.08 - Advances in Nb₃Sn and MgB₂ Conductors I

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

Friday 4 July

14:00

Fri-Af-Po.08 - Advances in Nb₃Sn and MgB₂ Conductors I

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Luigi Reccia, Yuhu Zhai

Fri-Af-Po.08-02: Preliminary Design of a Superconducting MgB₂ Feeding System for Fusion Applications

Speaker

Andrea Musso

Fri-Af-Po.08-01: Experimental study on critical current degradation of MgB₂ superconducting strands and developed with low-bending strain cable for force-balanced helical windings

Speaker

Dr Hang Xu

Fri-Af-Po.08-04: Study on Superconducting Performance of Ultra-fine strand Nb₃Al Cable fabricated by React & Wind method in Solenoid Coil

Speaker

Ryuichi Ueki

Fri-Af-Po.08-05: Investigation of the relationship between RRR degradation from Rutherford cabling and facet dimensions at the edge of a cable by cross-sectional metallography

Speaker

Jean-Francois Croteau

Fri-Af-Po.08-06: Study on High J_c, Fine filament, Ultra low loss NbTi/Cu₅Ni/Cu Superconducting Wires for Accelerator Magnet in WST

Speaker

Dr Ruilong Wang

Fri-Af-Po.08-08: Preparation and performance research of superconducting switching wire

Speaker

Pengfei Yan

Fri-Af-Po.08-09: Study on the Improving the uniformity of Ti distribution in new type of High J_c Nb₃Sn Wire Produced by WST

Speaker

Mr Jianya Chen

Fri-Af-Po.08-10: Diffusion behavior and Investigation of the Properties of High J_c Nb₃Sn Wires with SnCuTi Alloy Application

Speaker

Heonhwan Kim

Fri-Af-Po.08-11: Cyclic mechanical deformation of HPAL composites and its effect on RRR at low temperatures relevant to electric aircraft application

Speaker

Mr Jin Kwon

Fri-Af-Po.08-07: Study on Nb APC NbTi superconductor made by powder metallurgy

Speaker

Kailin Zhang

16:00