

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Wed-Af-Po.11 - Modelling of Fusion Conductors and Coils I

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

Wednesday 2 July

14:30

Wed-Af-Po.11 - Modelling of Fusion Conductors and Coils I

Poster Session | **Location:** Ensemble Ballroom, Level 2

Wed-Af-Po.11-07: Residual Inductive Voltage Calculations for the Quench Detection Loops of the ITER TF Coils during Single Coil Testing in the ITER Magnet Cold Test Bench

Speaker

Pierre Bauer

Wed-Af-Po.11-01: Development of a thermal-hydraulic simulation module for cable stability analysis

Speaker

Ms Renjie Huang

Wed-Af-Po.11-02: Multiphysics verification and validation of STEP toroidal field cable and remountable joints

Speaker

Sam Tippetts

Wed-Af-Po.11-09: Thermal hydraulic simulation of Tcs test in the ITER Magnet Cold test facility

Speaker

Mr Junjun Li

Wed-Af-Po.11-08: Calculating the expected critical current for 3D coils of arbitrary shape made with VIPER-like HTS cable

Speaker

Robert S Granetz

Wed-Af-Po.11-06: A Study on Voltage Distribution Characteristics Considering Stray Capacitance for Fusion Magnets

Speaker

Seokho Nam

Wed-Af-Po.11-05: AC losses of scaled HTS TF magnets under various magnetic fields

Speaker

Yuyang Wu

Wed-Af-Po.11-04: Modelling Current Distribution and Transport Losses in High-Temperature Superconducting Toroidal Field Coils for Fusion Applications

Speaker

Mr Oriol Fernández Serracanta

Wed-Af-Po.11-03: Impact of axial and bending strain on the Tcs of ITER TF conductors under MTCB working conditions

Speaker

Lorenzo Cavallucci

16:30