

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Sat-Af-Spe1 - [Special Session] High Current HTS Cables for Fusion and Beyond

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

Saturday 5 July

14:00

Sat-Af-Spe1 - [Special Session] High Current HTS Cables for Fusion and Beyond

Session | **Location:** Momentum D | **Conveners:** Charlie Sanabria, Luigi Muzzi

14:00-14:15

Sat-Af-Spe1-01: [Invited] Status, Advances and Challenges of HTS Conductors for Fusion Magnets

Speaker

Marco Breschi

14:15-14:30

Sat-Af-Spe1-02: [Invited] Electromechanical properties of SPARC CS and PF superconductor cables under relevant transverse and axial compression.

Speaker

Rui Diaz-Pacheco

14:30-14:45

Sat-Af-Spe1-03: [Invited] Status update on the development of simple-stacking HTS conductors at NIFS and HF

Speaker

Prof. Nagato Yanagi

14:45-15:00

Sat-Af-Spe1-04: [Invited] Development status of the HTS SECAS conductor for a full-size test sample

Speaker

Dr Luigi Muzzi

15:00-15:15

Sat-Af-Spe1-05: [Invited] REBCO Rutherford-Type Cables (FReTC) for high-current and high-field applications

Speaker

Makoto Takayasu

15:15-15:30

Sat-Af-Spe1-06: [Invited] Characterization of electromechanical properties of striated REBCO CC tapes for TORT cables with reduced magnetization AC losses

Speaker

Dr Eva Cuninková

15:30-15:45

Sat-Af-Spe1-07: [Invited] Plans and progresses on HTS CICC for fusion in China

Speaker

Prof. Chao Zhou

15:45-16:00

Sat-Af-Spe1-08: [Invited] Development of high current CORC® cables, CICC, and low resistance demountable joints for fusion magnet applications

16:00

Speaker

Danko van der Laan