

## **Session Program**

**1-6 Jul 2025**



## **MT29 Abstracts and Technical Program**

### ***Wed-Af-Po.04 - HTS Joints***

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

## Wednesday 2 July

14:30

### Wed-Af-Po.04 - HTS Joints

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

#### **Wed-Af-Po.04-09: HTS tapes joining techniques and its I-V characterization at 77 K**

**Speaker**

Sumit Chand

#### **Wed-Af-Po.04-01: Study on the universality of copper bonding joints on different REBCO copper-plated tapes**

**Speaker**

Yuwei Zhou

#### **Wed-Af-Po.04-02: Predictability of the change in solder resistance under thermal cycling conditions**

**Speaker**

Mr Minkyu Sun

#### **Wed-Af-Po.04-03: Aging effects in (RE)B2C3O7-d tapes solder joints made with indium-tin**

**Speaker**

Gaël Berthet

#### **Wed-Af-Po.04-04: Thermal and soldering effects on REBCO HTS tapes: optimizing joint reliability for high-field magnets**

**Speaker**

Dr Jung-bin Song

#### **Wed-Af-Po.04-05: Development of 600 A-class current leads for cryocooler-cooled devices using copper and REBCO wires**

**Speaker**

Kenta Yajima

#### **Wed-Af-Po.04-06: Design and Fabrication of Current Leads for Superconducting Rotor Cooled with Rotating Cryocooler**

**Speaker**

Uijong Bong

#### **Wed-Af-Po.04-07: A high power quick-connect between lightweight cryoresistive and high temperature superconducting aerospace power transmission cables**

**Speaker**

Chris Kovacs

#### **Wed-Af-Po.04-08: Design, fabrication, and experiment of roller shaped high-temperature superconducting coil joint apparatus**

**Speaker**

Hyunsoo Park

16:30