

Session Program

Nov 15 - 19, 2021



MT27, 27th International Conference on Magnet Technology

WED-PO2-616 Electrical Insulation for Magnets

Fukuoka Convention Center

Wed, November 17

10:30 AM

WED-PO2-616 Electrical Insulation for Magnets

Poster Session | Location: Fukuoka Convention Center

Fabrication and Characteristics of HTS Racetrack Pancake Coils after Impregnation Process Using Various Materials

Speakers

Wanshuo Sun, Prof. Qiuliang Wang

Trap Energy Distribution of PPLP according to PP ratio at cryogenic temperature

Speaker

Mr Yongrok Kim

Electrical Characteristics of a High-Temperature Superconducting Coil Insulated with Doped Smart Materials

Speaker

Mr Mohamed Mussa Mtangi

Novel Insulation Designs for Nb₃Sn Rutherford Cables for Particle Accelerator Magnets

Speaker

Giorgio Vallone

Varistor Insulation for HTS Magnets

Speakers

Glyn Kirby, Dr Tom Galvin

Mechanical characterisation of Nb₃Sn cable insulation systems at ambient and cryogenic temperature used for HL-LHC accelerator magnets.

Speaker

Arnaud Pascal Foussat

Magnetic Field Reduction Phenomenon of a Metal Insulation and a No-insulation Coil by External Fluctuating Magnetic Field

Speaker

Hyung-Wook Kim

Surface Dielectric Characteristics of GFRP and PTFE in Cryogenic Environment under the Switching Impulse Superimposed on DC Voltage

Speaker

Mr Hoseung Kim

Current Bypass of a Metal Stitching Smart Insulation 2G HTS Coil

Speaker

Hyung-Wook Kim

Evaluation of Selection Criteria for the Level of Liquid Nitrogen in HTS Magnet System

Speaker

Mr Seungmin Bang

Preliminary Design of Insulation System for Superconducting Conductor Testing Facility

Speaker

Yuanyuan Ma

Fundamental research for design of composite materials in vacuum environments

Speaker

Mr Masaaki Hirai

12:30 PM