

Session Program

Nov 15 - 19, 2021



MT27, 27th International Conference on Magnet Technology

THU-PO3-719 Design and Analysis II

Fukuoka Convention Center

Thu, November 18

10:00 AM

THU-PO3-719 Design and Analysis II

Poster Session | Location: Fukuoka Convention Center

Magnetothermal Coupling Analysis of Claw Pole Machine using Combined Magnetic and Thermal Network Method

Speaker

Xue Wang

Thermal Network Modeling for High-frequency Insulated Core Transformers

Speaker

Lanxin Nie

Modelling and Investigation on the AC loss of the 2G YBCO tape influenced by High-order power harmonics

Speakers

Chang Niu, Liu Xinyi

Assessment of coil design and pulse unit parameters for the optimization in the electromagnetic forming process of metal sheet

Speaker

Prof. Evandro Paese

Thermal stability against local critical current degradation in an HTS pancake coil wound with an insulated conductor composed of no-insulated multiple tapes

Speaker

Mr Mikito Takenaka

Experimental and Comparative Study of Noise Vibrations and Harshness of Permanent Magnet Machines according to Rotor Eccentricity with Two Different Fractional Pole/Slot Combinations

Speaker

Tae-Kyoung Bang

STEAM Software Framework to Simulate Transients in Accelerator Magnets and Circuits

Speakers

Dr Emmanuele Ravaioli, Mariusz Wozniak

Improvement of excitation delay by multiple high temperature superconducting tapes in no-insulation coil

Speaker

Mr Yuma Nakada

Comparison between T-A formulation and uniform current assumption for the critical current calculation of high temperature superconductor ReBCO coils

Speaker

Wenbo Xue

Levitation characteristics analysis of a novel bearingless switched reluctance motor

Speaker
Zixin Wang

Current distribution modeling in the open-source OPENSC2 tool for the multi-physics analysis of HTS and LTS superconducting cables

Speaker
Ms Sofia Viarengo

Screening Current Induced Field changes during De-energization with Axial Clamping

Speaker
Dylan Kolb-Bond

12:00 PM