Session Program

Nov 15 – 19, 2021

MT27, 27th International Conference on Magnet Technology

THU-PO3-508 Superconducting Rotating Machines, Linear Machines, and Related Subjects III

Fukuoka Convention Center

Thu, November 18

10:00 AM

THU-PO3-508 Superconducting Rotating Machines, Linear Machines, and Related Subjects III

Poster Session | **Location:** Fukuoka Convention Center

Electromagnetic Shielding Technique for No-insulation Superconducting Rotor Windings in Electrical Aircraft Propulsion

Speaker
Yutong Fu

R&D of a No-insulation HTS Magnet for Small-Scale Bilateral HTS Linear Synchronous Motors

Speaker
Dr Fangliang Dong

A Dual-Stator HTS Modular Linear Vernier Motor for Long Stroke Applications

Speaker
Mr Yujun Shi

Comparative Study of HTS linear synchronous motor with different core and winding structures for electromagnetic launching

Speaker
Mr Yuanzheng Ma

Investigation on Time-Varying Behavior of No-Insulation HTS Field Coil for Synchronous Motors Considering Armature Reaction and Slotting Effect

Speaker
Jonghoon Yoon

Force Characteristic Analysis of Active EDS System Under Different Control Currents

Speaker
Dr Kang Liu

Stability of a metal insulated 2G HTS coil under the external ac field

Speaker
Myung-Hwan Sohn

Conceptual design of a linear generator suitable for marine energy power generation

Speaker
Mr Petrus Kambo

Influence analysis of the geometrical parameters on the ac loss of the double sided linear HTS induction motor under various operation conditions

Speaker
Dr Shuo Li

Numerical Modeling for Electrical Machines with Superconducting Windings using H-A formulation

Speaker
Haigening Wei

Electromagnetic Design of a Novel HTS Linear Synchronous Motor for Electromagnetic Launching

Speaker
Shifeng Shen

Numerical Study of Magnet Stability in the Superconducting Armature Winding for a Superconducting Generator

Speaker
Mr Juzhuang Yan

12:00 PM