

Session Program

Nov 15 - 19, 2021



MT27, 27th International Conference on Magnet Technology

THU-PO3-707 Quench Analysis I

Fukuoka Convention Center

Thu, November 18

10:00 AM

THU-PO3-707 Quench Analysis I

Poster Session | Location: Fukuoka Convention Center

Numerical study of quench behaviour in YBCO CORC cables

Speaker

Jiabin Yang

Adaptive Element Equivalent Circuit of No-Insulation High Temperature Superconductor Coil Containing Multiple Defects

Speaker

Mr Soobin An

Network model for REBCO pancake coils with heat transfer

Speakers

Zoe Webb-Mack, Xiaorong Wang, Qing Ji

Experiment and analysis of spatial electromagnetic and thermal behaviors during quench propagation in no-insulation HTS coil with multi-physics distributed-circuit approach

Speaker

Mr Geonyoung Kim

Quench detection and protection of high-temperature superconducting magnets: The case of a Bi-2212 Rutherford cable canted-cosine-theta dipole magnet

Speaker

Christopher Reis

Partial-Insulation HTS Magnet for Reduction of Quench-Induced Peak Currents

Speaker

Wooseung Lee

Transient behavior of a REBCO No-Insulation or Metal-as-Insulation multi-pancakes-or racetracks- coil using a Partial Element Equivalent Circuit model.

Speaker

Clément Genot

Quench Study on REBCO Coil for a HTS Sextupole Magnet

Speaker

Xudong Wang

A Numerical Method for Simulating the Quench Behavior of Superconductors

Speakers

Dr Wei Pi, Prof. Yinshun Wang

12:00 PM