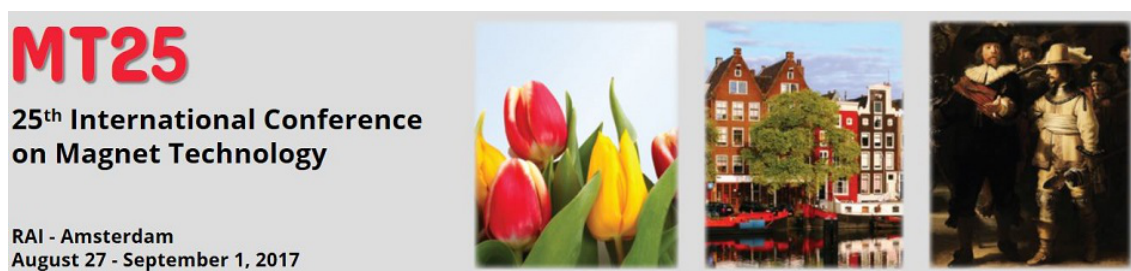


Session Program

27 August 2017 to 1 September 2017



MT25 Conference 2017 - Timetable, Abstracts, Orals and Posters

Tue-Af-Po2.10

RAI Congress Center, Amsterdam, The Netherlands

Tuesday 29 August

13:15

Tue-Af-Po2.10: Multiphysics Design and Analysis

Poster Session | **Location:** Posters Area

Optimal Design of the LTS Magnet employing Genetic Algorithm for EMPS

Speaker

Dr Jang Jae Young

Shielding Current Analysis in High-Temperature Superconducting Film and Its Application

Speaker

Teruou Takayama

Application of hierarchical matrices to large-scale electromagnetic field analyses of coils wound with coated conductors

Speaker

Naoki Tominaga

Refinement and application of a generic CFD toolkit covering the heat flows in combined solid-liquid systems to investigate thermal quench limits of superconducting magnets

Speaker

Fouad Aabid

Thermo-Magnetic Mechanical stability study of the MICE Spectrometer Solenoids

Speaker

Heng Pan

Eddy Current Loss Analysis of Surface Mount High Speed Permanent Magnet Motor Base on Multi-physics Fields

Speaker

Prof. Guangwei Liu

Research on Temperature Rise and Temperature Control for Giant Magnetostrictive Transducer

Speaker

Prof. Wenmei Huang

STEAM: A Hierarchical Co-Simulation Framework for Superconducting Accelerator Magnet Circuits

Speaker

Lorenzo Bortot

Comparative study between in-situ measurements and a 3D efficient model for the computation of magnetic fields in High Field Polyhelix magnets

Speaker

Dr Christophe Trophime

Towards real time computation of 3D magnetic field in parametrized Polyhelix magnets using a reduced basis Biot-Savart model

15:00

Speaker

Mr Romain Hild

Improved Modeling of Canted-Cosine-Theta Magnets

Speaker

Lucas Brouwer