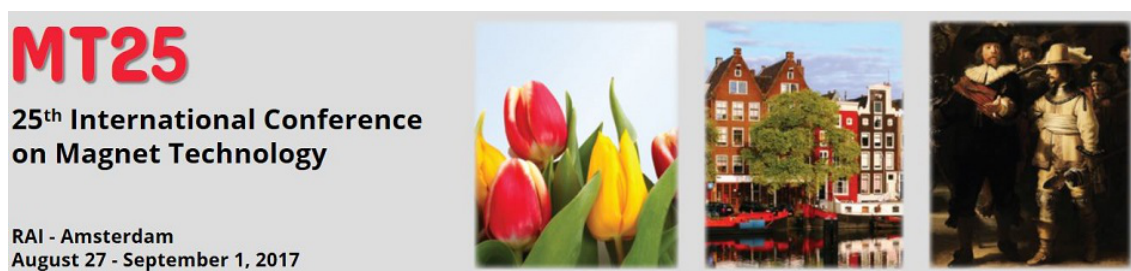


## **Session Program**

**27 August 2017 to 1 September 2017**



## **MT25 Conference 2017 - Timetable, Abstracts, Orals and Posters**

***Wed-Af-Po3.08***

RAI Congress Center, Amsterdam, The Netherlands

## Wednesday 30 August

13:15

### Wed-Af-Po3.08: Novel Applications

**Poster Session** | **Location:** Posters Area

#### **A Wide Aperture Superconducting Vector Magnet for photon beamlines: WAVE Photons**

**Speaker**

Dr Arnaud Madur

#### **Measurement and Torque Calculation of Magnetic Spur Gear Based on Quasi 3-D Analytical Method**

**Speaker**

Tae-Kyoung Bang

#### **Analysis of Torque Characteristics according to Gear ratio of Coaxial Magnetic Gear**

**Speaker**

Jeong-In Lee

#### **Capability improvement design method considering eddy current loss reduction of axial-flux permanent magnet coupling with Halbach array structure using 3-D FEM.**

**Speaker**

Mr Gang-Hyeon Jang

#### **Design, fabrication, and test of a dual-coil system for electromagnetic sheet forming**

**Speaker**

Quanliang Cao

#### **Realization and commissioning of WAVE Neutrons a Wide Aperture Vector Magnet for Neutron scattering experiments delivered Turn Key**

**Speaker**

Raphael Pasquet

#### **Study on Electromagnetic Force Distribution and Copper Fatigue Performance in Electromagnetic Strengthening with Axial Compression**

**Speaker**

Li Qiu

#### **Simulation of Thomson Parabola spectrometer for charged particle diagnostics in the PETAL+ project**

**Speaker**

Mr Chhon PES

#### **A Study on the Power Converter Performance Comparison & Optimal design induction heating coil for IH jar**

**Speaker**

Mr Sang-Taek Lee

**Embedded flexible Fe-Si-Al powder composite-film inductor for a Low Power DC-DC Converters**

**Speaker**

Mr Jae-Woo Lim

**Development of Conduction-cooled Superconducting Split Coil for Metal Melting by DC Induction Heating**

**Speaker**

Mr Tomonori Watanabe

**Flow Analysis of Magnetic Fluid around a Permanent Magnet in Magnetic Fluid Damper**

**Speaker**

Mrs Xiaorui Yang

**Analysis and Optimization of Adjustable Magnetic Fluid Damper in DC Magnetic Field**

**Speaker**

Mrs Xiaorui Yang

**Vibration of Magnetically Controlled Saturated Reactor under AC and DC excitation**

**Speaker**

Prof. Yan Rongge Yan Rongge

**Design and structural analysis of induction type coilgun system**

**Speaker**

Byeong-Soo Go

15:00