

Session Program

27 August 2017 to 1 September 2017

MT25

**25th International Conference
on Magnet Technology**

RAI - Amsterdam
August 27 - September 1, 2017



MT25 Conference 2017 - Timetable, Abstracts, Orals and Posters

Wed-Af-Po3.07

RAI Congress Center, Amsterdam, The Netherlands

Wednesday 30 August

13:15

Wed-Af-Po3.07: Levitation, Bearing and Separation

Poster Session | Location: Posters Area

Design of hybrid thrust magnetic bearing for heavy rotating shaft considering self-weight compensation according to axial load

Speaker

Chang-Woo Kim

Experimental and numerical investigations on the separation behavior of magnetic particles under an alternating gradient magnetic field

Speaker

Zhen WANG

Air-gap Control for Superconducting-Hybrid Magnetic Levitation Systems via Linear Matrix Inequality Optimization

Speaker

Kyoung-Jin Joo

Levitation separation of precious metals utilizing magneto-Archimedes effect in high gradient magnetic fields

Speaker

Osuke Miura

Quality and Stability Improvement of DC Power Systems in All Electric Ship Using SMES/Battery

Speaker

Mr Hamoud Alafnan

Detailed analysis of conduction-cooled MgB2 for use in superconducting magnetic density separation

Speaker

Mr Dorus Dijkstra

A Superconducting Magnetic Density Separation Laboratory Demonstrator

Speaker

Mr Jaap Kosse

A Design of Outer Yoke and Enclosure Considering Magnet Eddy Current Loss of Magnetic Gear

Speaker

Mr Eui-Jong Park

The Number of Magnet Poles Decision Method of Magnetic Gear for Torque Ripple Reduction

Speaker

Mr Eui-Jong Park

15:00

Direct simulation of interactive motion of magnetic particles in an oscillating magnetic field

Speaker

Dr Quanliang Cao