



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

## Wednesday 30 August 2017

### Wed-Af-Po3.07: Levitation, Bearing and Separation (13:15 - 15:00)

[id] title	presenter	board
[1114] Detailed analysis of conduction-cooled MgB <sub>2</sub> for use in superconducting magnetic density separation	Mr DIJKSTRA, Dorus	
[812] Experimental and numerical investigations on the separation behavior of magnetic particles under an alternating gradient magnetic field	WANG, Zhen	
[990] The Number of Magnet Poles Decision Method of Magnetic Gear for Torque Ripple Reduction	Mr PARK, Eui-Jong	
[1094] Design of hybrid thrust magnetic bearing for heavy rotating shaft considering self-weight compensation according to axial load	KIM, Chang-Woo	
[704] Air-gap Control for Superconducting-Hybrid Magnetic Levitation Systems via Linear Matrix Inequality Optimization	JOO, Kyoung-Jin	
[546] Levitation separation of precious metals utilizing magneto-Archimedes effect in high gradient magnetic fields	MIURA, Osuke	
[132] Quality and Stability Improvement of DC Power Systems in All Electric Ship Using SMES/Battery	Mr ALAFNAN, Hamoud	
[991] A Design of Outer Yoke and Enclosure Considering Magnet Eddy Current Loss of Magnetic Gear	Mr PARK, Eui-Jong	
[873] Direct simulation of interactive motion of magnetic particles in an oscillating magnetic field	Dr CAO, Quanliang	
[1102] A Superconducting Magnetic Density Separation Laboratory Demonstrator	Mr KOSSE, Jaap	