



# MT27, 27th International Conference on Magnet Technology

## Tuesday, 16 November 2021

### TUE-PO1-504 Special purpose magnets I: Field gradients & other applications (13:15 - 15:15)

[id] title	presenter	board
[467] Superconducting Magnet Design for a Vertical-ring High Gradient Magnetic Separation System	ZHENG, Hengkang	
[329] Separation of Microplastics from Sea Water by Means of Electromagnetic Force	Dr SHIGEHIRO, Nishijima	
[287] Development of novel magnetic separation for paramagnetic particles using the selection tube	Prof. MISHIMA, Fumihito	
[461] Removal of magnetic fine particles from non-magnetic fine powder by high gradient magnetic separation under dry condition	HAOZHOU, Chen	
[336] Removal of Iron Oxide Scale from Boiler Feed-water in Thermal Power Plant by Magnetic Separation -Aggregation States of Oxygenated Treatment Scale-	Mr OKUMURA, Masao	
[271] Validation of a high-gradient trapped field magnet with an open bore providing a quasi-microgravity space on Earth and its application to magnetic levitation	Dr TAKAHASHI, Keita	
[738] Design and Characteristics Analysis of a Laboratory Electromagnet applying HTS Coils	HWANG, Young Jin	
[622] Reinforcement Structure of HTS Magnet to Increase the Magnetic Moment for Space Application	NAGASAKI, Yoh	
[790] Design and experiment of the conduction cooled superconducting magnet for crystal growth application	CHENG, Junsheng Prof. WANG, Qiuliang	