

## **Session Program**

**Nov 15 - 19, 2021**



# **MT27, 27th International Conference on Magnet Technology**

## ***THU-PO3-511 Maglev and Levitation III***

Fukuoka Convention Center

## Thu, November 18

10:00 AM

### THU-PO3-511 Maglev and Levitation III

Poster Session | Location: Fukuoka Convention Center

#### An adaptive control strategy of electromagnetic bearing for flywheel energy storage based on online parameters identification

**Speaker**

Wenyong Guo

#### Study of Rotational Stability in the HTS Magnetic Bearing Rotor Incorporated the Secondary of the Induction Motor

**Speaker**

Marin Minamitani

#### Dynamics of magnetic flux during CC-tapes local magnetization

**Speaker**

Diadchko Anastasiia

#### Vibration Characteristics of HTS Maglev System Levitated Above a Halbach Permanent Magnet Track

**Speaker**

Mr Tianci Ren

#### Experimental Research on the Translational Characteristics of High Temperature Superconducting Translational System

**Speaker**

Mr Peng Zhao

#### Comprehensive performance evaluations on three kinds of radial hybrid magnetic bearings

**Speaker**

Mr Xin Xian

#### Research on universal mathematical model and design method of homopolar hybrid magnetic bearing

**Speaker**

Zixin Wang

#### Optimization of the Levitation Performance for the Fully-Superconducting Magnetic Bearing

**Speaker**

Yu Haiyang

#### Electromagnetic performance comparison between heteropolar and homopolar six-pole hybrid magnetic bearings

**Speaker**

Tonghai Zhi

#### Suspension Force Analysis on 4-pole Radial Hybrid Magnetic Bearing with Independent Magnetic Circuits

**Speaker**  
Zixin Wang

**Levitation force enhancement of a magnetic bearing using the stator of hybrid superconducting magnet**

**Speaker**  
Ling Xiao

**Rail magnets arrangement for improving stability of a superconducting transport system**

**Speaker**  
Muneo Futamura

**Dynamic characteristics of a fully HTS magnetic bearing under harmonic excitation**

**Speaker**  
Changqing Ye

12:00 PM