# **Session Program**

22-27 Sept 2019



MT 26 International Conference on Magnet Technology Vancouver, Canada | 2019

# MT26 Abstracts, Timetable and Presentations

Tue-Mo-Po2.12 - Motors VI

Hyatt Regency Hotel Vancouver 655 Burrard Street Vancouver, British Columbia, V6C 2R7 Canada

# **Monday 23 September**

08:45

# Tue-Mo-Po2.12 - Motors VI

Poster Session | Location: Level 3 Posters | Conveners: Dr Alessandro Anemona, Vitaly Vysotsky

Tue-Mo-Po2.12-01 [99]: Efficiency Improvement of Permanent Magnet BLDC with Halbach Magnet Array for Drone

#### **Speakers**

Seungheon Lee, Hyunwoo Kim

Tue-Mo-Po2.12-02 [100]: Optimization Design of Permanent Magnet Assisted Single Winding Bearingless Synchronous Reluctance Motor

#### Speakers

Ying Xu, Mengyao Wu

Tue-Mo-Po2.12-03 [101]: Design and Analysis of a BLDC Motor with Halbach array magnets

#### Speaker

Seungheon Lee

Tue-Mo-Po2.12-04 [102]: Analysis and Design of a New Type of Less-rare-earth Hybrid-magnet Motor with Different Rotor Topologies

#### **Speaker**

Mrs Yunyun Chen

Tue-Mo-Po2.12-05 [103]: Design and Electromagnetic analysis of 2 MW Fully-Superconducting Synchronous Motors Composed of REBa2Cu3Oy coated conductors for Turboelectric Propulsion System

#### **Speaker**

Mr Ryota Sugouchi

Tue-Mo-Po2.12-06 [104]: Conceptual design and electromagnetic analysis of superconducting induction motors using REBa2Cu3Oy tapes

## Speaker

Mr Koichiro Ozaki

Tue-Mo-Po2.12-07 [105]: Optimized Design of Permanent Magnet Considering Thermal Demagnetization Analysis of Synchronous Motor

### Speaker

Mr Jonghun Lee

Tue-Mo-Po2.12-08 [106]: Design, Fabrication, and Testing of a YBCO Racetrack Coil for an HTS Synchronous Motor with Brushless Exciter

#### Speaker

Dr Wei Wang

Tue-Mo-Po2.12-09 [107]: Proposed Commutation Method for Performance Improvement of Brushless DC Motor

#### **Speakers**

Prof. Chang-Sung Jin, Hyungkwan Jang

Tue-Mo-Po2.12-10 [108]: A new linear permanent magnet switched reluctance motor with segmented primary for urban rail transit

## **Speakers**

Ruiwu Cao, Mrs Shen Danni

Tue-Mo-Po2.12-11 [109]: Analysis and Optimization of Less-rare-earth Hybrid Excitation Flux-switching Machine

#### Speaker

Yunyun Chen

Tue-Mo-Po2.12-12 [110]: Design and Investigation of a Dual-Stator Flux-Modulated Permanent Magnet Motor with High Demagnetization Withstand Capability

#### Speaker

Deyang Fan

10:45