

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 REBa₂Cu₃O_y 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 REBa₂Cu₃O_y 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