

## **Session Program**

**22-27 Sept 2019**



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

## **MT26 Abstracts, Timetable and Presentations**

### ***Wed-Mo-Po3.12 - Motors IX***

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

## Tuesday 24 September

09:30

### Wed-Mo-Po3.12 - Motors IX

Poster Session | Location: Level 3 Posters | Conveners: Hao Chen, Qiuliang Wang

#### Wed-Mo-Po3.12-11 [106]: A Novel Three-phase Tubular Switched Reluctance Linear Machine with Transverse-flux path

**Speaker**

Prof. Hao Chen

#### Wed-Mo-Po3.12-01 [96]: Design of a Novel Axial Flux Rotor Consequent-Pole Permanent Magnet Machine

**Speaker**

Deyang Fan

#### Wed-Mo-Po3.12-02 [97]: Measurement of eddy current loss of permanent magnet with higher frequency and temperature effects

**Speaker**

Nijan Yogal

#### Wed-Mo-Po3.12-03 [98]: Experimental characterization of a no-insulation HTS racetrack coil in travelling magnetic fields

**Speaker**

Dr Kang Liu

#### Wed-Mo-Po3.12-04 [99]: Comparative Analysis of a Linear Electric Motor using Superconducting and Conventional Conductor Coil

**Speaker**

Adrian Gonzalez-Parada

#### Wed-Mo-Po3.12-05 [100]: A novel permanent magnet linear motor for the application of urban transit

**Speaker**

Dr Cong Deng

#### Wed-Mo-Po3.12-06 [101]: A Study on Robust Design of Irreversible Demagnetization of IPMSM Rotor Core Using Dy-Free Permanent Magnet

**Speakers**

Hyungsik Kong, Prof. Sung Gu Lee, Dr SuYeon Cho, Mr Hyun-Jo Pyo, Mr Min-Jae Jeong, Mr Dong-Woo Nam, Prof. Won-Ho Kim

#### Wed-Mo-Po3.12-07 [102]: Design of IPMSM for Electric Oil Pump considering PM Irreversible Demagnetization at Saturation Temperature

**Speaker**

Mr Dae-Woo Kim

#### Wed-Mo-Po3.12-08 [103]: A study on the magnet structure for reducing demagnetization by grain boundary diffusion method

**Speaker**

Byungchan Kim

**Wed-Mo-Po3.12-09 [104]: Study on Reduction of Eddy Current Loss of Permanent Magnets in Ultra-High Speed Machines**

**Speaker**

Hyungkwan Jang

**Wed-Mo-Po3.12-10 [105]: Design and Analysis of a Magnetless Linear Variable Reluctance Motor with Modular Mover Units for Electric Propulsion**

**Speaker**

T. W. Ching

**Wed-Mo-Po3.12-12 [107] [Invited]: Superconducting Synchronous Motors for Electric Ship Propulsion**

**Speaker**

Michael Parizh

**Wed-Mo-Po3.12-13 [108]: Application of AC Loss on HTS Magnet using Frequency Loss Induced Quench (FLIQ) Protection System.**

**Speaker**

Kikelomo Ijagbemi

11:15