

## Session Program

22-27 Sept 2019



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

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

### ***Wed-Mo-Po3.05 - Generators I***

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

## Tuesday 24 September

09:30

### Wed-Mo-Po3.05 - Generators I

**Poster Session** | **Location:** Level 2 Posters 1 | **Conveners:** Dr Timothy Coombs, Michael Green

**Wed-Mo-Po3.05-01 [28]: Multiobjective optimal design of bearingless permanent magnet synchronous generator with multiobjective particle swarm optimization algorithm**

**Speakers**

Ying Xu, Mengyao Wu

**Wed-Mo-Po3.05-02 [29]: Experiments and Design Criteria for a High-Speed Permanent Magnet Synchronous Generator with Magnetic Bearing Considering Mechanical Aspects**

**Speaker**

Jeong-In Lee

**Wed-Mo-Po3.05-03 [30]: Design and Analysis of High-Speed Permanent Magnet Synchronous Generator Considering Rotor Structure**

**Speakers**

Kyung-Hun Shin, Tae-Kyoung Bang

**Wed-Mo-Po3.05-04 [31]: Experimental Verification and Analytical Prediction for Generating Characteristics of Double-Sided Permanent Magnet Linear Synchronous Generator for Ocean Wave Energy Converter**

**Speaker**

Sung-Won Seo

**Wed-Mo-Po3.05-05 [32]: Experimental Verification and No-load Characteristics Analysis of Permanent magnet Linear Oscillating Actuator by using Semi-3D Analysis Technique with Corrected Stacking Factor**

**Speaker**

Jong-Hyeon Woo

**Wed-Mo-Po3.05-06 [33]: Research of Post-Assembly Magnetization of Large Surface-Mounted Rare-Earth Permanent Magnet Machines with Integrated Magnetizing Windings combing with Stator Windings**

**Speaker**

Qingjian Wang

**Wed-Mo-Po3.05-07 [34]: Detent Force and Static Thrust Experimental Analysis of a 3kW Single-Phase Linear Permanent Magnet Generator for Striling Engines**

**Speaker**

Mr Kyu-Seok Lee

**Wed-Mo-Po3.05-08 [35]: Maximizing Efficiency of IPMSG in the Engine Generator System of a Plug-in Hybrid EV and Its Comparison with SPMSG**

**Speaker**

Dr Ho-Chang Jung

**Wed-Mo-Po3.05-10 [36]: A Novel Permanent Magnet Linear Generator**

**Speaker**

Prof. Hao Chen

**Wed-Mo-Po3.05-11 [37]: Fully Coupled Numerical Method for Coated Conductor HTS Coils in HTS Machine**

**Speaker**

Dr Zhen Huang

11:15