**Session Program**

**22–27 Sept 2019**

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

# MT26 Abstracts, Timetable and Presentations

## *Tue-Af-Po2.16 - Power Supplies and Flux Pumps II: Transformers*

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

# Tuesday 24 September

14:00

## Tue-Af-Po2.16 - Power Supplies and Flux Pumps II: Transformers

**Poster Session** | **Location:** Level 2 Posters 1 | **Conveners:** Jun Ma, Yujia Zhai

### Tue-Af-Po2.16-07 [21]: Presentation withdrawn

### Tue-Af-Po2.16-01 [16]: Contactless Power Transfer for HTS Magnets with A Novel YBCO-coated Conductor Bridge as Rectifier

**Speaker**
Ms Yuke Deng

### Tue-Af-Po2.16-02 [17]: Practical Estimation of Superconducting Dynamo Losses

**Speaker**
Ratu Mataira

### Tue-Af-Po2.16-03 [18]: Design and performance analysis of a dynamo-type HTS flux pump for a 10 kW superconducting generator

**Speaker**
Mr Gi-Dong Nam

### Tue-Af-Po2.16-04 [19]: Experimental and Numerical Characterization of the Contactless Self Current Drived HTS Flux Pump

**Speaker**
Pengbo Zhou

### Tue-Af-Po2.16-06 [20]: Charging Characteristics of HTS Coils with Various Insulation Materials by Charging of Rotary HTS Flux Pump

**Speaker**
Mr Seunghak Han

### Tue-Af-Po2.16-08 [22]: Characteristics of a Stationary Flux Pump using Linear Moving Magnetic Fields for an HTS Jointless Coil in Persistent Current Mode

**Speaker**
Mr Seyeon Lee

### Tue-Af-Po2.16-09 [23]: Superconducting transformer for superconducting cable research and development

**Speaker**
Hui Yu

### Tue-Af-Po2.16-10 [24]: Transient Analysis of AC Power System for JT-60SA Superconducting Magnets

**Speaker**
Mr Shoichi Hatakeyama

### Tue-Af-Po2.16-11 [25]: Design of a Resistive Magnet Power Supply Based on Three-Level Buck Converters

**Speaker**
Mr Can Wang

**Tue-Af-Po2.16-12 [26]: Improvement of the performance of Flat-top Pulsed High Magnetic Field Facility based on battery-bank power supply**

**Speakers**
Dr Shaozhe Zhang, Zhenglei Wang

**Tue-Af-Po2.16-13 [27]: A new control strategy to improve the performance of the voltage source converter of new high power magnet power supply**

**Speaker**
Dr Zhenshang Wang

16:00