

## Session Program

22-27 Sept 2019



**MT 26**  
**International Conference  
on Magnet Technology**

*Vancouver, Canada | 2019*

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

### ***Mon-Af-Po1.15 - Multiphysics Design and Analysis II***

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

# Sunday 22 September

14:30

## Mon-Af-Po1.15 - Multiphysics Design and Analysis II

**Poster Session** | **Location:** Level 2 Posters 1 | **Conveners:** Prof. Kozo Osamura, William Marshall

### Mon-Af-Po1.15-10 [41]: Presentation withdrawn

### Mon-Af-Po1.15-01 [34]: PITHIA: An innovative BEM/FEM simulation software for field calculations of accelerator magnets

**Speaker**

Dr Dimitrios Rodopoulos

### Mon-Af-Po1.15-02 [35]: An electric-circuit model on the inter-tape contact resistance and current sharing for REBCO cable and magnet applications

**Speaker**

Aurora Cecilia Araujo Martinez

### Mon-Af-Po1.15-03 [36]: Magnetic Properties Measurement and Analysis of High Frequency Core Material Considering Temperature Effect

**Speaker**

Yongjian Li

### Mon-Af-Po1.15-04 [37]: Numerical Analysis of a fully HTS Magnetic Bearing Under High-speed Operation

**Speakers**

Dr Changqing Ye, Guangtong Ma

### Mon-Af-Po1.15-06 [38]: Expansion of the magnetic field in toroidal harmonics and correlations with the current distribution

**Speaker**

Prof. Marco Breschi

### Mon-Af-Po1.15-07 [39]: Numerical investigation on the thermo-electro-mechanical behavior of HTS tapes

**Speaker**

Prof. Daniela Boso

### Mon-Af-Po1.15-08 [40]: Critical Temperature Prediction for a Superconductor: A Bayesian Neural Network Approach

**Speakers**

Thanh Dung Le, Huu Luong Quach

### Mon-Af-Po1.15-11 [42]: The design of transcranial magnetic stimulation thin core coil based on multi-objective optimization

**Speaker**

Dr Chang Liu

### Mon-Af-Po1.15-12 [43]: Design and Quench Analysis Study on a 9 T NbTi Superconducting Magnet for Large Bore EMPS

16:30

**Speaker**  
Jae young Jang