Session Program

22–27 Sept 2019

MT26 Abstracts, Timetable and Presentations

Mon-Mo-Po1.02 - Multiphysics Design and Analysis I

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

Sunday 22 September

09:15

Mon-Mo-Po1.02 - Multiphysics Design and Analysis I
Poster Session | **Location:** Level 2 Posters 1 | **Conveners:** Walter Fietz, Victor Bykov

Mon-Mo-Po1.02-04 [16]: Presentation withdrawn

Mon-Mo-Po1.02-01 [13]: Parametric Sensitivity Characteristics of Numerical Simulations on EMF Free Bulging of Circular Sheet Metal

Speaker
Prof. Evandro Paese

Mon-Mo-Po1.02-02 [14]: Progress in Simulation Method of No-Insulation High Temperature Superconductor Magnets

Speaker
Kabindra Bhattarai

Mon-Mo-Po1.02-03 [15]: Update of Joule Losses Calculation in the ITER Cold Structures during Fast Plasma Transients

Speaker
Francesca Cau

Mon-Mo-Po1.02-05 [17]: Stress Distribution of Magnetically Controlled Reactor Core in Gaps Area under Simulated Service Conditions

Speaker
Long Chen

Mon-Mo-Po1.02-06 [18]: Magneto-Mechanical Analysis of A Racetrack Superconducting Magnet Using Multiscale Approach

Speaker
Qiang Hu

Mon-Mo-Po1.02-07 [19]: User Defined ANSYS Elements for 3D Multiphysics Modeling of Superconducting Magnets

Speaker
Ms Kathleen Edwards

Mon-Mo-Po1.02-08 [20]: Accurate calculation of field expansion coefficients in FEM magnetostatic simulations

Speaker
Dr Vasily Marusov

Mon-Mo-Po1.02-09 [21]: HTS magnetization current simulation using ANSYS iterative algorithm method and user defined element

Speaker
Dr Kai Zhang

Mon-Mo-Po1.02-10 [22]: Design and Optimization of a High-frequency Rotational Magnetizer for Nanocrystalline Alloys Based on Improved SVM and PSO Algorithms

Speaker
Dr Long Chen

11:15