Session Title	**[PC-M2] Static and Quasi-Static Fields 3**
Date and Time	**June 21 (Wednesday) / 11:00-12:50**
Place	**Rm. 102 (1F)**
Session Chair	**Behzad Forghani (Infolytica Corp., Italy)**

PC-M2-1 **Digest ID: 18**

A Coarse Matrix Iterative Solver for Magnetostatic Domain Decomposition Analysis

Kanayama, Hiroshi (1); Ogino, Masao (2); Sugimoto, Shin-ichiro (3)
1: Japan Women's University, Japan; 2: Nagoya University, Japan; 3: Tokyo University of Science,Suwa, Japan

PC-M2-2 **Digest ID: 175**

Presentation of a Novel Transverse-Flux Permanent Magnet Linear Motor and Its Magnetic Field Analysis Based on Schwarz-Christoffel Mapping Method

Fu, Dongshan; Xu, Yanliang
Shandong University, China, People's Republic of

PC-M2-3 **Digest ID: 132**

The DPC-Hysteresis Model in Two-Dimensional Magnetostatic Finite Element Analysis

Willerich, Stephan; Roth, Christian; Herzog, Hans-Georg
Technical University of Munich, Germany

PC-M2-4 **Digest ID: 661**

Study on thin open crack detectability of NDT induction thermography technique for magnetic material

azzabi zouraq, brahim
POLYTECH' NANTES, France

PC-M2-5 **Digest ID: 439**

Finite Element Analysis of Unbounded Eddy-Current Problem with Cauer Ladder Network and Improvised Asymptotic Boundary Conditions

Sugahara, Kengo (1); Kameari, Akihisa (2); Ebrahimi, Hassan (2); Shindo, Yuji (3); Matsuo, Tetsuji (4)
1: Faculty of Science and Engineering, Kindai University; 2: Science Solutions International Laboratory, INC.; 3: Kawasaki Heavy Industries, Ltd.; 4: Dept. Electrical Engineering, Kyoto University

PC-M2-6 **Digest ID: 461**

Analytical Calculation of Magnetic Field Distribution in Vernier Machines with Doubly Salient Structure

Jang, Daekyu; Chang, Junghwan
Dona-A University, Korea, Republic of (South Korea)

PC-M2-7 **Digest ID: 108**

Influence of Shielding on the Magnetic Field Measurement by Direct H-Coil Method in a Double-Yoked SST

Mailhé, Benjamin Joseph; de Araujo Elias, Ricardo; Pitta Corrêa da Silva, Indiara; Batistela, Nelson Jhoe; Sadowski, Nelson; Kuo-Peng, Patrick
GRUCAD - Universidade Federal de Santa Catarina, Brazil

PC-M2-8 **Digest ID: 522**

Magnetic Equivalent Circuit Modeling of an Axial-Field Magnetic Gear

Ruiz Ponce, Gerardo Enrique; Arjona López, Marco Antonio; Hernández Flores, Concepción; Espinoza, Cristian
Tecnológico Nacional de México, Campus Laguna, Mexico

PC-M2-9 **Digest ID: 548**

Optimized Field/Circuit Coupling for the Simulation of Quenches in Superconducting Magnets

Cortes Garcia, Idoia (1); Schöps, Sebastian (1); Maciejewski, Michal (2,3); Bortrot, Lorenzo (2); Prioli, Marco (2); Auchmann, Bernhard (2,4); Verweij, Arjan (2)
1: Technische Universität Darmstadt, Darmstadt, Germany; 2: CERN, Geneva, Switzerland; 3: Lodz University of Technology, Lodz, Poland; 4: Paul Scherrer Institut, Villigen, Switzerland

PC-M2-10 **Digest ID: 616**

Parallel-in-time Simulation of Eddy Current Problems using Parareal

Schöps, Sebastian (1); Niyonzima, Innocent (2); Clemens, Markus (3)
1: Technische Universität Darmstadt, Germany; 2: Columbia University; 3: Bergische Universität Wuppertal

PC-M2-11 **Digest ID: 560**

The Solution of Multi-scale HVDC Geoelectric Current Field by Domain Decomposition Method Based on GMRES Iterative Algorithm

Tao, Ruixiang; Wang, Zezhong
North China Electric Power University, China, People's Republic of

PC-M2-12 **Digest ID: 567**

Magnetic field Energy Calculated by Magnetic Vector Potential in Open-Loop Problems

NI, Chouwei; ZHAO, Zhibin; CUI, Xiang
North China Electirc power university, China, People's Republic of

PC-M2-13 **Digest ID: 615**

Investigating the Sensitivity of Frequency Response Function to Parameters in Equivalent Circuit of Transformer Winding Based on Two FRA Measurement Connection Ways

Wang, Song; Wang, Shuhong; Feng, Hanke; Guo, Ze; Wang, Shuang; Yuan, Dongsheng; Li, Hailin
State Key Laboratory of Electrical Insulation and Power Equipment, Faculty of Electrical Engineering, Xi'an Jiaotong University, China, People's Republic of

PC-M2-14 **Digest ID: 637**

Adaptive Stopping Criteria for Iterative Solver Applied to Potential Formulations in Magnetostatic Problems

Tang, Zuqi
GeePs – Génie Electrique et Electronique de Paris, France