Session Title	**[PD-A6] Static and Quasi-Static Fields 4**
Date and Time	**June 22 (Thursday) / 14:10-16:00**
Place	**Rm. 102 (1F)**
Session Chair	**Gwansoo Park (Pusan Nat'l Univ., Korea)**

PD-A6-1 **Digest ID: 20**

Nonlinear Three-Port Magnetic-Circuit Element for Ferromagnetic Yokes of Accelerator Magnet

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PD-A6-2 **Digest ID: 648**

A Convection-Conduction Model for Electrohydrodynamic Simulations

Ouedraogo, Yun (1); Gjonaj, Erion (1); Weiland, Thomas (1); De Gersem, Herbert (1); Steinhausen, Christoph (2); Lamanna, Grazia (2); Weigand, Bernhard (2); Preusche, Andreas (1); Dreizler, Andreas (1)
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PD-A6-3 **Digest ID: 212**

A geometric formulation to solve eddy current problems in thin conductors of arbitrary topology on general meshes

Bettini, Paolo (1); Specogna, Ruben (2); Passarotto, Mauro (2)
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PD-A6-4 **Digest ID: 638**

Numerical Simulation of Nonlinear Magnetic Incremental Permeability Based on Hysteresis and Its Application to Plastic Deformation Evaluation in Ferromagnetic Carbon Steel

Xie, Shejuan; Li, Lijuan; Chen, Hong-En; Tian, Mingming; Chen, Zhenmao
State Key Laboratory for Strength and Vibration of Mechanical Structures, Shaanxi Engineering Research Center for NDT and Structural Integrity Evaluation, Xi'an Jiaotong University, Xi'an 710049, China

PD-A6-5 **Digest ID: 643**

Finite Element Analysis of Local Flux Density Variation Considering PWM Current Harmonics

Ahn, Donggyun; Yoon, Myung-Hwan; Hong, Jung-Pyo
Hanyang university, Korea, Republic of (South Korea)

PD-A6-6 **Digest ID: 644**

Magnetic Signature Prediction of Submarine Considering Mechanical Stress by Water Pressure

Kim, Sang-Hyun (1); Kim, Jong-Wang (1); Lee, Byung-Chul (1); Kim, Seong-Mo (1); Chung, Hyun-Ju (2); Lee, Hyang-Beom (1)
1: Soongsil University, Seoul, South Korea; 2: Agency for Defense Development, Changwon, South Korea

PD-A6-7 **Digest ID: 253**

Finite_Element_Analysis_of_Multi_Layered_Magnetoplated_Wire_Coils_Using_Homogenization_Method

Fujtia, Shogo; Igarashi, Hajime
Hokkaido University, Japan

PD-A6-8 **Digest ID: 663**

2D Volume Integral Formulations for Nonlinear Magneto-static Field Computation for Rotating Machines Pre-Design Considering Periodicities

Debray, Quentin Jean-Yves (1,2,3); Meunier, Gerard (2,3); Chadebec, Olivier (2,3); Coulomb, Jean Louis (2,3); Carpentier, Anthony (1)
1: Altair Engineering, France; 2: Université grenoble Alpes; 3: CNRS

PD-A6-9 **Digest ID: 681**

Eddy-Current-Effect Homogenization of Windings in Harmonic-Balance Finite Element Models Coupled to Nonlinear Circuits

Sabariego, Ruth V. (1); Niyonmsatian, Korawich (1,2); Gyselinck, Johan (2)
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PD-A6-10 **Withdrawn**

PD-A6-11 **Digest ID: 157**

Interior Penalty Discontinuous Galerkin Method for Magnetostatic Field Problems in Two Dimensions

Straßer, Sebastian; Herzog, Hans-Georg
Institute of Energy Conversion Technology, Technical University of Munich, Germany

PD-A6-12 **Digest ID: 718**

Simulation on Dual Laterolog Response based on the Circumferential Magnetic Field Strength Method

Zhang, Chao (1,2); Liu, Guoqiang (1,2); Li, Shiqiang (1); Liu, Yu (1), Yanhong Li (1)
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PD-A6-13 **Digest ID: 757**

Calculation of Electric/Magnetic field under Power Transmission Line with Periodic Analysis, Dip Effect and Method of Image

Lee, JaeJoong (1); Chung, Young-Seek (2); Jung, Hyun-Kyo (3)
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PD-A6-14 **Digest ID: 652**

A Novel Approach for Axial End Leakage Flux of Spoke-type Interior Permanent Magnet Motors Using Magnetic Equivalent Circuit

Ryu, Jun-Yeol; Sim, Jae-Han; Yoon, Myung-Hwan; Hong, Jung-Pyo
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