
Session Title [PB-M2] Optimization and Design 4
Date and Time June 20 (Tuesday) / 11:00-12:50
Place Rm. 102 (1F)
Session Chair Katsumi Yamazaki (Chiba Inst. of Tech., Japan)

PB-M2-1 **Digest ID: 21**

Research on High Speed Permanent Magnet Machine Power Loss and Demagnetization Analysis

Zhang, Yue (1); Cao, Wenping (2); McLoone, Sean (1)
1: Queens University Belfast, United Kingdom; 2: Aston University, United Kingdom

PB-M2-2 **Digest ID: 590**

A New Multimodal Optimization Approach and Its Application to the Design of Electric Machines

Yoo, Chung-Hee
Agency for Defense Development, Korea, Republic of (South Korea)

PB-M2-3 **Digest ID: 339**

Design of Small Dielectric Lens for Slot Antenna Using Topology Optimization

Itoh, Keiichi (1); Igarashi, Hajime (2)
1: Akita National College of Technology, Japan; 2: Graduate School of Information Science and Technology, Hokkaido University

PB-M2-4 **Digest ID: 348**

Stator Tooth Shape Optimization of a Permanent Magnet Linear Generator for Harvesting Oceanic Wave Energy

Farrok, Omar (1); Islam, Md. Rabiul (2); Zhu, Jianguo (3)
1: Ahsanullah University of Science & Technology, Dhaka-1208, Bangladesh.; 2: Rajshahi University of Engineering & Technology, Rajshahi-6204, Bangladesh.; 3: University of Technology Sydney, New South Wales 2007, Australia

PB-M2-5 **Digest ID: 367**

Multiobjective Lightning Search Approach Applied to Jiles-Atherton Vector Hysteresis Model Parameters Estimation

Coelho, Leandro dos Santos (1,2); Pierozan, Juliano (2); Batistela, Nelson Jhoe (3); Leite, Jean Viane (3)
1: Industrial and Systems Eng. Grad. Program (PPGEPS), Pontifical Catholic University of Parana, Curitiba, PR, Brazil; 2: Department of Electrical Engineering, Federal University of Parana (UFPR), Curitiba, PR, Brazil; 3: GRUCAD-EEL-CTC, Federal University of Parana

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Digest ID: 380

A Segmented Brushless Doubly-Fed Generator for Wind Power Application

Jiang, Yongjiang; Zhang, Jianzhong; Li, Tianyi
Southeast University, China, People's Republic of

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Digest ID: 383

Characteristics Analysis of High-Speed Three-Degree-of-Freedom Electromagnetic Actuator for Image Stabilizations

Heya, Akira (1); Hirata, Katsuhiko (1); Niguchi, Noboru (1); Yoshimoto, Takamichi (2); Ota, Tomohiro (2)
1: Osaka University, Japan; 2: Panasonic Corporation, Japan

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Digest ID: 400

Pseudo-sensorless Control of Permanent-magnet Synchronous Motor Based on Linear Hall-effect Sensor Signal

Lee, Seung-Tae; Hur, Jin
Incheon National University, Korea, Republic of (South Korea)

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Digest ID: 407

Reconstruction of Stress Corrosion Cracking Based on Multi-Frequency Eddy Current Testing Signals Using Genetic Algorithm

Wang, Li (1); Chen, Zhenmao (2); Wang, Xiaowei (2)
1: Xi'an University of Posts and Telecommunications, China, People's Republic of; 2: State Key Laboratory for Strength and Vibration of Mechanical Structures, Xi'an Jiaotong University, Xi'an, 710049, China

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Digest ID: 409

Comparison and analysis of Bearingless Permanent Magnet Synchronous Motor with different Magnetized Rotor

zhang, tao
Huaiyin Institute of Technology, China, People's Republic of

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Digest ID: 238

Starting Performance Improvement of Line-Start Permanent-Magnet Synchronous Motor Using Composite Solid Rotor

Yan, Bo; Wang, Xiuhe; Yang, Yubo
Shandong University, China, People's Republic of

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Withdrawn

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Digest ID: 478

Stability Analysis of Power Transformer Windings Based on Electromagnetic-Thermal-Structural Coupling Method

Zhang, Bo; Yan, Ning
Shenyang University of Technology, China, People's Republic of