
Session Title	[PB-A5] Optimization and Design 5
Date and Time	June 20 (Tuesday) / 14:10-16:00
Place	Rm. 101 (1F)
Session Chair	To be Announced

PB-A5-1	Digest ID: 22
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Loss Calculation and Demagnetization Analysis for a High Speed Permanent Magnet Electrical Machine

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

PB-A5-2	Digest ID: 382
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A Permanent Magnet Brushless Doubly-Fed Generator with Segmented Structure

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

PB-A5-3	Digest ID: 420
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Modeling and Analysis of Hybrid Permanent Magnet Type Bearingless Motor

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

PB-A5-4	Digest ID: 487
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Dual Rotor Flux-Switching Permanent Magnet Machine with drum winding

Kwon, Jung-Woo; Kwon, Byung-il
Hanyang University, Korea, Republic of (South Korea)

PB-A5-5	Digest ID: 437
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Three-Axis Active Control Magnetic Bearing with Asymmetric Structure for High-Temperature Machines

Nakajima, Atsushi; Hirata, Katsuhiro; Niguchi, Noboru; Kato, Masayuki
Osaka University, Japan

PB-A5-6	Digest ID: 445
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Loss and efficiency of a flux-switching permanent-magnet double-rotor machine with high torque density

Mo, Lihong
Huaiyin Institute of Technology, China, People's Republic of

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Digest ID: 455

The Relationship of Magnetomotive Force under Different Excitation Modes of Dual-excited Synchronous Generator

Xu, Guorui; Hao, Xiajing; Hu, Yiping; Zhan, Yang; Zhao, Haisen
North China Electric Power University, China, People's Republic of

PB-A5-8

Digest ID: 457

Parametric Design Analysis of Magnetic Sensor Based on Model Order Reduction and Reliability-based Design Optimization

Paul, Sarbajit (1); Rajan, Arvind (2); Chang, Junghwan (1); Kuang, Ye Chow (2); Ooi, Melanie Po-Leen (3)
1: Dong-A University, Korea, Republic of (South Korea); 2: Monash University, Malaysia; 3: Heriot-Watt University Malaysia

PB-A5-9

Digest ID: 623

Design of High Torque Density Ferrite Permanent Magnet Motor

Jeong, Jae-Sik (1); Sim, Jae-Han (1); Kim, Hae-Joong (2); Hong, Jung-Pyo (1)
1: Hanyang University, Korea, Republic of (South Korea); 2: Korea Testing Certification, Rotating Machinery Center, Gyeonggi 692-8, Korea

PB-A5-10

Digest ID: 484

Dynamic Strength Calculation of Power Transformer Windings under Multiple Impact Conditions

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

PB-A5-11

Digest ID: 510

Design of High efficient Motor for Personal Mobility by Pole/Slot Combinations

Um, Dae Yong; Joo, Jae Deuk; Kim, Jeong Sik; Im, Sang Hyeon; Park, Gwan Soo
School of Electrical and Computer Engineering, Pusan National University, Busan 46241, Korea, Republic of (South Korea)

PB-A5-12

Digest ID: 555

Multiple Level Set Method for Optimal Design of Nonlinear Magnetostatic System

Seo, Kyung Sik; Lee, Kang Hyouk; Park, Il Han
Sungkyunkwan University, Korea, Republic of (South Korea)

PB-A5-13

Digest ID: 189

Ant Lion Approach Based on Tent Map for Multiobjective Transformer Design Optimization

Coelho, Leandro dos Santos (1); Pierezan, Juliano (2); Da Luz, Mauricio V. Ferreira (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/UFSC, Brazil

A New Topology Optimization Methodology Based on Constraint Maximum-Weight Connected Graph Theorem and Support Vector Machine

Xia, Meng (1); Yang, Shiyu (1); Ho, S. L. (2)

1: Zhejiang University, China, People's Republic of; 2: The Hong Kong Polytechnic University, Hong Kong