

Session Title	[PC-A5] Optimization and Design 8
Date and Time	June 21 (Wednesday) / 14:10-16:00
Place	Rm. 102 (1F)
Session Chair	Chang-Eob Kim (Hoseo Univ., Korea)

PC-A5-1

Withdrawn

PC-A5-2

Digest ID: 577

Topology Optimization of Rotor Structure for Synchronous Motor Using the Method of Moving Asymptotes

OKAMOTO, Yoshifumi (1); HOSHINO, Reona (2); WAKAO, Shinji (2); TSUBURAYA, Tomonori (3)
1: Hosei University, Japan; 2: Waseda University, Japan; 3: Fukuoka University, Japan

PC-A5-3

Digest ID: 459

Design of Magnetizer and Rotor of Ferrite Spoke-Type PMSM for Post-Assembly Magnetization

Seol, Hyun-Soo; Lee, Ju
Hanyang University, Korea, Republic of (South Korea)

PC-A5-4

Digest ID: 625

Design of Cylindrical Permanent Magnet Linear Generator for Ocean Wave Energy Conversion with Level-Set Method

Fang, Hongwei; Chen, Hongxu
Tianjin University, China, People's Republic of

PC-A5-5

Digest ID: 286

Design and Analysis of a Linear Wound Field Vernier Machine with Partitioned Stator

Faiz, Jawad; Nematsaberi, Alireza
University of Tehran, Iran, Islamic Republic of

PC-A5-6

Digest ID: 634

The Electromagnetic Field and Radio Frequency Circuit Co-simulation for Magnetic Resonance Imaging Radio Frequency Coils

Li, Nan (1); Luo, Chao (2); Liu, Shengping (3); Li, Ye (2)
1: Chongqing University of Technology, Chongqing 400054, China, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen 518055, China; 2: Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen 518055, Ch

PC-A5-7

Digest ID: 635

A Novel Axial Flux Spoke-Array Magnetic-Field-Modulated Machine for Hybrid Electric Vehicle

Lai, Junquan; Li, Jian; Qu, Ronghai
Huazhong University of Science and Technology, China, People's Republic of

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Digest ID: 651

Sizing Optimization of a Switched Reluctance Motor for Loudness Reduction

Kim, Hyungwoo (1); Hyun, Jaeyub (2); Wang, Semyung (1)

1: Gwangju Institute of Science and Technology, Korea, Republic of (South Korea); 2: Korea Research Institute of Standards and Science, Korea, Republic of (South Korea)

PC-A5-9

Digest ID: 682

Electric Motor Design of an Integrated Motor Propulsor for Unmanned Underwater Vehicles : The Effect of Waterproofing Can

Lee, Jiyoung (1,2); Hong, Dokwan (1,2); Ann, Minhyuk (2); Woo, Byungchul (2)

1: University of Science and Technology, Korea, Republic of (South Korea); 2: Korea Electrotechnology Research Institute, Korea, Republic of (South Korea)

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Digest ID: 323

Analysis and Design of a Novel Heteropolar Radial Hybrid Magnetic Bearing

Xu, Wei (1); Zhu, Runze (1); Ye, Caiyong (1); Zhu, Jianguo (2); Lei, Gang (2)

1: Huazhong University of Science and Technology, Wuhan, China, People's Republic of; 2: University of Technology, Sydney, Australia

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Digest ID: 698

Robust Design of an Axial Flux Permanent Magnet Synchronous Generator Based on Many-Objective Optimization Approach

Sabioni, Claret Laurente; Ribeiro, Marcos Felipe de Oliveira; Vasconcelos, João Antonio
Federal University of Minas Gerais, Brazil

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Digest ID: 283

Influence of Interleaving Winding Arrangement on Leakage Inductance and Winding Loss of High-frequency Transformer

Chen, Bin; Li, Lin; Zhao, Zhibin

North China Electric Power University, China, People's Republic of

PC-A5-13

Digest ID: 704

Shape Sensitivity Analysis and Optimization of Current-Carrying Conductor for Current Distribution Control

Cheon, Woong Jin; Lee, Kang Hyouk; Park, Il Han

Sunkyunkwan University, Korea, Republic of (South Korea)