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Development of Electrical Machines: Latest Studies and Future Prospects

Guest Editors:

Prof. Dr. Antonios G. Kladas

Laboratory of Electrical Machines and Power Electronics, School of Electrical and Computer Engineering, National Technical University of Athens, 9, Iroon Polytechneiou Street, 15780 Athens, Greece

Dr. George J. Tsekouras

Department of Electrical and Electronics Engineering, School of Engineering, University of West Attica, 250, Thivon Avenue, Aigaleo, GR12241 Athens, Greece

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Message from the Guest Editors

This Special Issue aims to record the findings of latest studies and research activities on materials, production processes, design particularities, configuration conception, fault tolerance and measurement techniques regarding the development of high-performance electrical machines.

The main topics of interest include but are not limited to the following:

- Thin iron laminations and low-loss alloy magnetic steels implemented in electrical machine cores.
- Winding configurations and cooling techniques for high-performance electrical machines.
- Multi-phase electrical machines.
- Permanent magnet materials and associated loss reduction techniques.
- Harmonic losses and converter control enabling high efficiency drives.
- Ceramic and electromagnetic bearings for highspeed and high-efficiency machines.
- Machine topologies and design considerations favoring high-performance machines.
- Measurement techniques for high-performance machines.
- Lamination cutting and core building factor loss reduction methods.
- Design of fault-tolerant electrical machines.











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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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