Special Issue

Electromagnetic and Multi-Physics Analysis and Design of Electric Machines

Message from the Guest Editor

This Special Issue focuses on advancing the understanding and development of electric machines by exploring innovative approaches in modeling, computational analysis, novel topologies, optimization strategies, and multi-physics coupling. It will bring together recent progress in these areas, highlighting emerging trends, methodologies, and challenges in the design and analysis of electric machines. By addressing key aspects such as electromagnetic field computation, structural improvements, and performance optimization, this Special Issue provides a platform for researchers and engineers to share insights, propose new solutions, and contribute to the future of high-performance electric machine technology. The scope of this Special Issue encompasses, but is not limited to, the following topics: - Computational Methods for Electromagnetic Fields - Novel Topology and Structure - Optimization - Multi-Physics and Coupled Problems

Guest Editor

Dr. Min-Ro Park

Department of Electrical Engineering, Soonchunhyang University, Asan 31538, Republic of Korea

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Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE - Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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