

Special Issue

Optimization and Modelling of Synchronous Permanent Magnet, Synchronous Reluctance and Induction Machines

Message from the Guest Editor

I cordially invite you to contribute an article to the Special Issue of the MDPI's journal *Machines* on the topic of "Optimization and Modelling of Synchronous Permanent Magnet, Synchronous Reluctance and Induction Machines". The central theme of this Special Issue focuses on advances in optimization and modelling of the most important and most widely used types of electrical machine: induction machines and what we generally call brushless synchronous AC machines. New modelling methods and improvements in optimization deserve more attention in today's world of transportation electrification, green transition, and higher demands on power density, torque density, and increased efficiency. Experimental verification of proposed scientific contributions is highly appreciated.

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2023)



Machines

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Impact Factor 2.5
CiteScore 4.7



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About the Journal

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.

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Prof. Dr. Antonio J. Marques Cardoso
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).