

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

Dr. Stjepan Stipetić

Faculty of Electrical Engineering and Computing (FER), Department of Electric Machines, Drives and Automation, University of Zagreb, Unska 3, 10000 Zagreb, Croatia

Deadline for manuscript submissions

closed (15 November 2023)



Machines

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.0



mdpi.com/si/114374

Machines

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

[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)





Machines

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.0



[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)



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.

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2 (Control and Optimization)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2024).