Special Issue

Advanced Control of Electric Machines and Sustainable Energy Systems

Message from the Guest Editors

Authors are invited to submit full papers describing original research work in related areas, including, but not limited to, the following:

- New system architectures and technologies.
- Applications of electrical machines.
- Modeling and control of electrical machines and sustainable energy systems.
- Advanced control of power devices and systems.
- Advanced control and optimization algorithms for electrical power systems.
- Application of IoT and artificial intelligence in electric machines and sustainable energy systems.
- Techniques using neural networks, fuzzy logic, neuro-fuzzy logic, and machine learning for electric machines and sustainable energy systems.
- Control methods of motor drives, including all the aspects of control problems for motor drives (controller design, observer design, fault-tolerant control, sensorless control, etc.).
- Evaluation of electric machine losses and efficiency.
- Advanced power-electronic converter topologies for electric machines and sustainable energy systems.
- Modern fault diagnosis methods for electric machine systems and sustainable energy systems.

Guest Editors

Dr. Mohamad Alzayed

Department of Electronics, Carleton University, Ottawa, ON K1S 5B6, Canada

Dr. Hicham Chaoui

Department of Electronics, Carleton University, Ottawa, ON K1S 5B6, Canada

Deadline for manuscript submissions

closed (30 November 2023)

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

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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).