

Special Issue

Advances in Electric Machines and Associated Drives for More Electric Transportation (Aircraft, Automotive, Rail and Marine)

Message from the Guest Editors

Recently, electric transportation has become one of the most attractive research topics, exploiting continuous progress in the application of new materials together with advances in design and control development for electric machines. This Special Issue will gather and present the latest advances in electric machines and associated drives for the more electric transportation sector. Topics of interest for this Special Issue include, but are not limited to, the following:

- All-electric machines, drives, and converters/inverters
- Novel topologies and materials (magnetic, electronic, and structural, e.g., light-weighting)
- Drive configurations
- Component and system-level optimizations
- Control system topologies

Guest Editors

Prof. Dr. Nigel Schofield

Dr. Khoa Dang Hoang

Dr. Essam Hussain

Deadline for manuscript submissions

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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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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:

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Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1
(Control and Optimization)

Rapid Publication:

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).