



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

Guest Editors:

Prof. Dr. Nigel Schofield

Department of Engineering and Technology, University of Huddersfield, Huddersfield HD1 3DH, UK

Dr. Khoa Dang Hoang

Department of Engineering and Technology, University of Huddersfield, Huddersfield HD1 3DH, UK

Dr. Essam Hussain

CRRC Times Electric UK Innovation Center (TEIC) and University of Exeter, Exeter, UK

Deadline for manuscript submissions:

closed (15 November 2021)

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





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

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

Contact Us

Machines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/machines
machines@mdpi.com
[X@Machines_MDPI](https://twitter.com/Machines_MDPI)