Special Issue

Dual Winding Motors and Drives

Message from the Guest Editor

The demand for electric motors and electric motor drives for effective operation in various electric motor drives systems, such as electric vehicles and electric trains, has dramatically increased in recent years. In particular, synchronous motors with various characteristics depending on the rotor structure of the motor and the control method of the drive are continuously proposed, researched and developed. This Special Issue aims to explore research into the new design and control of synchronous motors and drives. We focus on new designs in motor and drive technology, including new synchronous motors or drive design, new control strategies, and new applications. Papers related to the design and control of synchronous motors and drives in this field are most welcome. Keywords:

- synchronous motor
- synchronous motor drives
- design and control of synchronous motor
- synchronous motor drive systems
- new materials for synchronous motors
- fault-tolerant synchronous motor and drives

Guest Editor

Dr. Kyu-Yun Hwang

School of Railway Operation and Control, Dongyang University, Punggi, Yeongju 36040, Republic of Korea

Deadline for manuscript submissions

closed (30 September 2024)

Machines

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.7

mdpi.com/si/169154

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

mdpi.com/journal/machines

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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

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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).