

Special Issue

Design and Control of Drives and Electrical Machines

Message from the Guest Editors

Researchers are exploring innovative approaches to enhance the design and performance of electrical machines. This includes the development of new machine topologies, advanced materials, and optimization techniques. Moreover, control systems play a critical role in ensuring the efficient and safe operation of these machines. The field of Design and Control of Drives and Electrical Machines focuses on advancing the performance, energy efficiency, and reliability of electrical machines through innovative design methodologies and control strategies. This Special Issue provides a platform for researchers to exchange ideas and contribute to the ongoing progress in this dynamic field. The aim of this Special Issue is to attract original research and review papers in the field of Design and Control of Drives and Electrical Machines. Major topics include, but are not limited to: Permanent magnet machines; AC/DC machines; Reluctance machines; Multiphase machines; Motor control and motor drives; Sensorless control; Power electronic devices (si and wide band gap) and applications; Other areas in electric machines; Other areas in motor drives and power electronics.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).