

Special Issue

Electrical Machines and Drives: Latest Advances and Applications

Message from the Guest Editors

Electric motors are the core of the industry and play a fundamental role in our daily lives. The majority of electric energy is consumed by electric motors. They can efficiently convert electrical power into mechanical power, making the drive mechanisms be efficient as well. Electric drives, together with power electronic control devices, play a major role in industrial, commercial, residential, aerospace, utility and military applications. Electronic systems control many processes, ranging from relatively simple devices such as electric motors to more complicated devices such as robots, to streamline entire manufacturing industry processes. The need for high-efficiency devices that perform conversion between different types of power converters, such as AC-DC, DC-AC and DC-DC converters, is a hot research topics today. Improving control methods for induction, multiphase motors and brushless motors, sensorless control, fuzzy control, and direct torque control strategies remains important to increase the efficiency and reliability of electric drives.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2025)



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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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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