

Special Issue

Energy Technologies in Electronics and Electrical Engineering

Message from the Guest Editors

The problems of energy production, the development of innovative renewable energy sources, and the optimization of energy utilization pose enormous challenges in the contemporary world. Hence, the importance of research carried out in this area. To meet these challenges, we are publishing this Special Issue of our journal, providing a platform for researchers working in this area of science to utilize for the exchange of ideas. Research areas may include (but are not limited to) the following:

- Advances of energy efficiency in electrical engineering;
- Advances of energy efficiency in electronics;
- Modern control systems of power conversion systems;
- High-efficiency power conversion system topologies;
- Modeling and simulation of electrical engineering and electronics solutions;
- Renewable energy systems;
- Thermal management in terms of improving efficiency in electrical engineering and electronics solutions;
- Minimizing power consumption;
- Microgrids, smart grids, and distributed generation systems;
- Energy-efficient control systems;
- Converters for uninterruptible power supplies and motor drives.

We look forward to receiving your contributions.

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 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).