

Special Issue

Innovative Solutions for the Electrical Industry

Message from the Guest Editors

The electrical industry is experiencing a 4th revolution due to ICT, the IoT, renewables, and power electronics. New technologies are driving generation, transmission, and distribution sectors, as well as the final use of electric energy toward new goals with the tri-lemma: decarbonization, digitization, and decentralization. This revolution is improving the efficiency of the electricity sector, raising global income levels and improving quality of life. This Special Issue encourages authors to submit original research papers on the following topics:

- Equipment protection and service continuity during faults in industrial sites;
- Safety and security in transmission and distribution;
- Active filters for improving power quality;
- DC microgrids;
- Static converter-based energy systems;
- Power electronics solutions for enhancing the conversion efficiency of RES-based distributed generators;
- Internet of Things in the electricity sector;
- Internet of Safety: innovative solutions for protecting persons against hazards from electricity;
- Aggregation of distributed flexibility and ancillary services;
- Electromagnetic compatibility and reliability in power systems.

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Deadline for manuscript submissions

closed (15 January 2022)



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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).