

Special Issue

Advances in Power Electronics Technologies for Renewable Energy Systems

Message from the Guest Editors

This Special Issue aims to receive high-quality submissions with significant technical contributions related to the emerging technologies, techniques, and applications of power electronics in renewable energy systems (RES). Topics of interest include, but are not limited to, the following:

- Advances in power electronic technologies and techniques for RES
- Advances in power electronic interfaces for RES
- Power electronic converters (including inverters, rectifiers, cyclo-converters, etc.) in RES
- Power electronics and energy storage systems in RES
- Power electronics and power quality in RES
- Power electronics and distributed generation
- Power electronics in microgrids and smart grids
- Power electronics control (generator level, plant level, and transmission level)
- Optimization in power electronics with applications to RES
- Intelligent power electronics in RES

Welcome to contribute!

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2020)



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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).