

Special Issue

Power Electronics, Control, and Protection Systems for Smart Grid Applications

Message from the Guest Editors

This **special issue** aims to collect research relevant to modelling and estimating power electronics that can pave the way for control and protection for smart grid applications. The Smart Grid will mature over the coming years and we believe we are entering an era where widespread deployment of the Smart Grid is realistic. The list of topics of interest includes but are not limited to the following:

- Empirical researches on Modular power converters and interface circuits
- Advancements that facilitate resilience and performances in power electronics
- Fault diagnosis and failure prognosis tools for power electronics in smart grid
- Best standards and code of practices for power electronics in smart grid
- Modelling of relays, relaying systems, and instrument transformers for smart grids
- Grid distortion and disturbance impacts on power converters
- Advanced Power Conversion and Control Technologies for smart grid applications
- Reliability of Smart Modern Power Electronic Converter Systems
- Future challenges of power electronics and innovative ideas to overcome them
- New automatic design methodologies for power electronics

Guest Editors

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Deadline for manuscript submissions

closed (25 November 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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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