



Multifaceted Applications of Power Electronics

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Deadline for manuscript submissions:

closed (1 August 2023)

Message from the Guest Editors

The Special Issue will focus on the current and envisioned future roles of power electronics technology associated with all domains. In recent years, the prominence of power electronics technology could be seen in different applications, such as residential, commercial, industrial, transportation, utility systems, aerospace, biomedical, and telecommunications. As a result, power electronics has gained continually increasing interest over the past few years, both in academia and industry.

Topics of interest for publication include but are not limited to:

- Technological advancements in and involvement of power electronics in all domains;
- Power electronics in smart grid;
- Smart inverters;
- Digital signal processing in energy systems;
- Power electronic converters;
- Electric machines and drives;
- Power-electronics-based distributed generators;
- HVDC and FACTS devices;
- AC and DC microgrid systems;
- Topologies and control of power electronic converters;
- Renewable energy systems;
- Energy storage technologies;
- Power semiconductor devices;
- Industrial, commercial, and residential applications of power converters;





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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.

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Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

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