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State of the Art and Future Trends in Low and High Power Electronics

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Deadline for manuscript submissions:
closed (15 April 2023)

Message from the Guest Editor

Dear Colleagues,

We are pleased to announce that we are seeking high-quality novel research and review articles for a Special Issue on the state of the art and future trends in low- and high-power electronics.

Power electronics technology is related to efficient conversion, accurate control and conditioning of electric power from the source to the load. This technology enables energy saving, energy generation and distribution from renewable sources such as solar and wind energy. The power electronics technology covers a power range from very high Giga-watt power such as energy transmission, propulsion systems for ships, high-speed trains, etc., down to the very low milliwatt power required to operate domestic appliances, mobile phones or LED lighting.

Keywords

- high-power devices
- reverse breakdown voltage
- figure of merit
- Schottky barrier diode
- edge termination methods
- energy-storage systems
- power electronics

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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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