



Advances in Low Power and High Power Electronics

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Message from the Guest Editors

Advances in Low-Power Electronics:

Rapid advances in semiconductor technologies over the past four decades have fostered the massive proliferation of personal, portable, and mobile electronic systems based on low-power electronics on a global scale. Continuous reduction in transistor dimensions and constant advances in semiconductors, electronic devices, circuits, sub-systems, systems, and memories have paved the way for the relentless progress of low-power electronics, which fuels digitalization in the modern era. Research in low-power electronics is multi-faceted.

Advances in High-Power Electronics:

This Special Issue will focus on recent trends and innovations in high-power electronic technologies such as integration of rooftop PV, floating PV, and onshore and offshore wind farms, energy storage systems, novel concepts in high-power electronics, fault ride through, state of the art of fault-tolerant converters, smart inverters, electric vehicle charging, microgrids, distributed energy resources control and integration, smart grids, high-performance and high-power density converters for energy-efficient systems for future power systems.





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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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