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Innovations in Digital and Analog Electronic Systems for Next-Generation Devices

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Message from the Guest Editors

The rapid advancement of technology has led to an increasing demand for innovations in digital and analog electronic systems. This Special Issue aims to explore the latest developments, challenges, and potential solutions in the field of electronic systems, specifically focusing on next-generation technologies.

Topics of interest include, but are not limited to, the following:

- Novel circuit designs and architectures for digital and analog systems.
- The integration of digital and analog components for improved performance.
- Emerging technologies and materials for electronic systems.
- Power-efficient designs for energy-constrained applications.
- Signal processing and communication techniques for high-speed data transmission.
- Design methodologies and tools for electronic system development.
- The testing, verification, and reliability of electronic systems.
- Applications of electronic systems in areas such as specialized research instrumentation, healthcare, transportation, and the IoT.
- The simulation and hardware/software co-development of electronic systems.



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Special Issue



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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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