Special Issue

Mixed Signal Circuit Design, Volume II

Message from the Guest Editor

Today, high-performance and energy-efficient electronic devices are mainly based on mixed-signal integrated circuits (ICs) that handle both analog and digital signal processing. Mixed-signal ICs containing both analog circuits and digital circuits are typically cost-effective solutions for building high-speed and low-power electronic systems. Recently, the complexity of mixed-signal design has been further exacerbated in heterogeneous integration of different dies for three-dimensional (3D) ICs. The importance of mixed-signal design in next-generation system-on-chip (SoC) systems is ever increasing. This Special Issue focuses on advance analog, RF, and mixed-signal circuit designs. The topics of primary research include but are not limited to the following:

- High-speed I/O circuits;
- Advanced clocking circuits;
- Data converters: ADCs and DACs;
- Integrated sensor ICs;
- Internet of Things (IoT) applications;
- Low-power and low-voltage circuits;
- RF circuits and building blocks;
- Heterogeneous integration circuits and systems;
- Power management integrated circuits (PMICs);
- Signal integrity and power integrity techniques.

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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 guestedited by leading experts in selected topics of interest.

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