

Special Issue

Advances in Analog and Mixed-Signal Integrated Circuits

Message from the Guest Editor

Analog and mixed-signal circuits are in high demand in the current system-on-chip (SoC) systems. They are widely used in power management, radio frequency (RF) signal sensing and processing, A/D or D/A conversion, clock generation, etc. Therefore, the main objective of this Special Issue is to present new works, recent developments, reviews, and results in the field of novel concepts on phase locking, and carrier recovery, as well as building blocks such as VCO, wide bandwidth amplifiers, comparators, analog, mixed-signal and RF circuits, and systems. Relevant topics include, but are not limited to, the following:

- Clocking circuits;
- Power amplifiers;
- Transceiver designs;
- High-speed I/O circuits;
- Data converters: ADCs and DACs;
- Low-power and low-voltage circuits;
- Power management circuits;
- Digital-based analog processing;
- CMOS and beyond circuit design;
- Machine learning techniques/AI in analog/RF integrated circuit design;
- Mixed signal circuits/systems;
- Integrated sensor ICs;
- RF circuits and building blocks.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2024)



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About the Journal

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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