

## Special Issue

# Analog/Mixed-Signal Integrated Circuit Design

### Message from the Guest Editor

Analog/mixed-signal integrated circuits (ICs) play critical roles in cutting-edge scientific research and engineering applications, such as artificial intelligence, quantum computing, brain-machine interface (BMI), 5G/6G and satellite communications, electric vehicle, etc. The massive channel integration of analog/mixed-signal circuits is always required in applications with large arrays; furthermore, the low-power design of analog/mixed-signal IC is key for a power-efficient system, which is driven by global carbon reduction targets. All these requirements posed by applications set new difficulties for analog/mixed-signal IC design. This Special Issue, entitled “Analog/Mixed-Signal Integrated Circuit Design”, is being launched to discuss the emerging analog/mixed-signal IC design challenges and demonstrate innovative designs in specific applications. Contributions should include systematic circuit design considerations and at least transistor-level simulation results; measurement results based on tapeout are preferred.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2025)



## Journal of Low Power Electronics and Applications

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Impact Factor 1.8  
CiteScore 4.3



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## About the Journal

### Message from the Editor-in-Chief

Journal of Low Power Electronics and Applications (ISSN 2079-9268) is an open access journal which provides an advanced forum for the studies of electronics for low power applications. A special emphasize is made on ultralow power bio-medical applications. It publishes reviews, regular research papers and short communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

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### Editor-in-Chief

Dr. Davide Bertozzi

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