

## 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.

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### 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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## About the Journal

### Message from the Editor-in-Chief

*Journal of Low Power Electronics and Applications* is an open access journal which provides an advanced forum for rapid dissemination of innovative research and important results in all aspects of low power electronics and design.

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. The full experimental details must be provided so that the results can be reproduced.

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### Editor-in-Chief

Dr. Davide Bertozzi

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