

## Special Issue

# The Progress in Application-Specific Integrated Circuit Design

### Message from the Guest Editors

Application-Specific Integrated Circuits (ASICs) are custom-designed integrated circuits tailored to meet the needs of specific applications. They represent the cutting-edge applications of semiconductor technology. Optimized for particular tasks, ASICs can offer higher performance, lower power consumption, and cost-effectiveness while reducing the overall complexity of systems. This specialized nature makes ASICs crucial in critical areas such as high-performance computing, mobile communications, digital media, automotive electronics, and medical devices. ASICs are an indispensable part of modern electronic systems. They drive technological progress and greatly enrich and facilitate people's daily lives.

### Guest Editors

Prof. Dr. Chengxin Zhao

Dr. Yongsheng Wang

Dr. Xiaoyang Niu

### Deadline for manuscript submissions

15 November 2025



## Electronics

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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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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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