

Special Issue

Recent Advances in Microelectronics Devices and Integrated Circuit

Message from the Guest Editors

This Special Issue seeks to showcase research papers and review articles that focus on novel methodological developments in the field of advanced microelectronics and the design of related integrated circuits. Work that explores how technologies can be incorporated with AI methods to identify novel design directions and improve devices, circuits, system performance, as well as processes is sought after. Additionally, research which identifies and evaluates the limitations of applying AI to certain problems and specific domains, in advanced microelectronics and integrated circuits, is also welcome.

This Special Issue is primarily meant to serve as a collection of extended versions of selected papers presented at the IEEE 15th International Symposium on Embedded Multicore/Manycore Systems-on-Chip (MCSoc-2022) <https://www.mcsoc-forum.org/>. Selected papers from MCSoc 2022 and all external contributions in this field are welcome in this Special Issue.

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Deadline for manuscript submissions

closed (15 January 2023)



Electronics

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Impact Factor 2.6
CiteScore 6.1



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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 guestedited by leading experts in selected topics of interest.

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