

Special Issue

Neuromorphic Devices, Circuits, Systems and Their Applications

Message from the Guest Editors

The aim of this Special Issue is to bring together the latest advances in neuromorphic computing. Emerging devices and architectures as well as the latest advances based on conventional CMOS VLSI technologies will be addressed. Special emphasis will be given to solutions that overcome the bottleneck of von Neumann architectures. Researchers are invited to send their contributions in the following topics: (1) Materials and devices: memristors, synaptic devices, etc. (2) Neuromorphic circuits (3) Neuromorphic computer architectures: beyond von Neumann architecture (4) Deep neural networks (5) Spike neural networks (6) Neuromorphic algorithms: machine-learning and non-machine learning (7) Hardware accelerators (8) Neuromorphic applications in different areas: health, automotive, industry, natural sciences, agriculture, astronomy, etc. (9) Bioethics
https://www.mdpi.com/journal/electronics/special_issues/5810WGF6R1

Guest Editors

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Deadline for manuscript submissions

closed (15 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.

Editor-in-Chief

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