Special Issue

Memristive Devices and Systems: Modelling, Properties & Applications

Message from the Guest Editors

This Special Issue intends to provide a comprehensive overview of key computational primitives enabled by these memory devices as well as their applications, spanning edge computing, signal processing, optimization, machine learning, deep learning, stochastic computing, and so on. Topics of interest include but not limited to:

- memristive device preparation
- memristive device modeling and analysis
- novel electronic devices that show memristive properties
- novel memristive circuit design solutions for neuromorphic systems
- memristive circuit fault diagnosis and analysis
- memristive systems for different applications (e.g., edge computing, signal processing, optimization, machine learning, deep learning, and stochastic computing)
- nonvolatile memory solutions with computing capabilities
- and memory devices and systems for in-memory computing

Guest Editors

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Deadline for manuscript submissions

closed (1 October 2022)

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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.

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