Special Issue

Analog and Digital Circuit Design Techniques and Systems for Machine Learning

Message from the Guest Editor

The aim of this Special Issue is to seek high-quality contributions that highlight circuit and system level techniques to improve energy, throughput, and security of machine learning systems for emerging applications. The topics of interest include but are not limited to:

- Analog signal processing circuits and algorithms for machine learning applications;
- Machine learning circuits for wearable health monitors;
- Machine learning architectures and circuits using emerging devices and circuits, e.g., non-volatile memory devices, compute-in-memory, etc.;
- Neuromorphic computing, e.g., spiking neural networks;
- Advances in system design and machine learning to improve performance and security;
- Circuit design for low-cost recurrent neural networks, including echo states.

Welcome to contribute!

Guest Editor

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Deadline for manuscript submissions

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2024).