

Special Issue

New Trends in Artificial Neural Networks and Its Applications

Message from the Guest Editors

This Special Issue aims to provide a dynamic platform for researchers to disseminate their latest findings, discuss innovative methodologies, and showcase cutting-edge applications and technologies that leverage neural networks. By bringing together contributions from experts across the field, we intend to enrich and advance the existing body of knowledge, offering fresh insights and perspectives. We invite submissions on a wide range of topics related to neural networks, including but not limited to:

- Novel techniques and architectures in neural network design.
- Recent advancements in training algorithms and optimization methods.
- Transformers-based models.
- Multimodal models.
- Speech and natural language processing.
- Neural networks-based applications in signal processing.
- Cross-disciplinary applications of neural networks in various scientific and engineering domains, with particular emphasis on the medical domain.
- Explainable AI.
- Green AI.
- Scalability and efficiency improvements for large-scale neural network deployment.

Guest Editors

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Deadline for manuscript submissions

closed (10 February 2025)



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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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