# Special Issue

# Recent Advances and Related Technologies in Neuromorphic Computing

## Message from the Guest Editors

Neuromorphic computing, inspired by biology and mimicking the neural systems of the human brain, promises extraordinary performance and energy efficiency. In addition to this, neuromorphic computing is ideally suited to low-power edge AI applications. This Special Issue aims to explore the recent advances, challenges, and related technologies in the field of neuromorphic computing. Original research articles and reviews are welcome. Research areas may include, but are not limited to, the following:

- Memristive devices for neuromorphic computing;
- Dynamics of nonlinear systems;
- Dynamic memories on memristor-based circuits and systems;
- Emerging technologies for neuromorphic computing;
- Computational neuroscience;
- Mathematical modeling of neural systems;
- Neurodynamic optimization and adaptive dynamic programming;
- Embedded neural systems;
- Hybrid intelligent systems supervised;
- Robotic and control applications.

## Guest Editors

Dr. Gang Dou

Prof. Dr. Mei Guo

Dr. Zhixia Ding

## Deadline for manuscript submissions

closed (15 April 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.

## Editor-in-Chief

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