

Special Issue

Artificial Intelligence for IoT Systems

Message from the Guest Editors

The Internet of Things (IoT) encompasses a network of interconnected physical objects, devices, and sensors that gather and exchange data through the internet. It has achieved great success across various industries and in everyday life. The application of AI in these systems is essential for processing and acting on the vast data generated by IoT devices, enabling real-time insights, automation, and personalized experiences to ultimately maximize their potential applications. However, existing AI for IoT faces limitations in terms of computational resources, energy efficiency, security vulnerabilities, and the ability to handle real-time data processing at scale. This Special Issue aims to bring together researchers in these fields and address new challenges in AI for IoT networks. Research areas may include (but are not limited to) the following:

- Artificial intelligence;
- Internet of Things;
- Edge computing/intelligence;
- Artificial Intelligence of Things (AIoT);
- Deep learning;
- Deep reinforcement learning;
- Federated learning;
- Data collection and data mining;
- Resource management;
- IoT security/privacy.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (15 January 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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