Special Issue

AI Enabled Communication on IoT Edge Computing

Message from the Guest Editors

The main aim of this Special Issue is to integrate novel approaches efficiently, focusing on the performance evaluation and the comparison with existing solutions of AI-enabled communication on IoT edge computing. The papers considered for possibe publication may focus on but not necessarily be limited to the following areas:

- AI-enabled edge computing architectures, frameworks, platforms, and protocols for IoT;
- Machine learning techniques in edge computing for IoT;
- Edge network architecture and optimization for AI applications at scale;
- AI Algorithms for dynamic and large-scale topology discovery;
- AI for wireless network resource management and medium access control;
- Energy-efficient edge network operations via AI algorithms;
- Deep learning and reinforcement learning in network control and management;
- Self-learning and adaptive networking protocols and algorithms;
- Novel applications, and case studies with edge computing for IoT;
- AI modeling and performance analysis in edge computing for IoT.

Welcome to contribute!

Guest Editors

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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 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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