

Special Issue

Artificial Intelligence for Wireless Networks

Message from the Guest Editors

This Special Issue's goal is to address the use of artificial intelligence in wireless communications and other areas of technology by bringing together a collection of original research papers on the topic. All submissions need to provide an explanation of the artificial intelligence that will be utilized to manage the wireless network. Potential topics include but are not limited to the following:

- Artificial intelligence for the convergence of communications;
- Allocation of wireless communication resources;
- Distributed artificial intelligence and federated learning in wireless networks;
- Energy-efficient scheduling for the artificial intelligence of things (AIoT);
- Low-latency wireless communication control protocols;
- Intelligent wireless network technologies that use multidimensional radio access and backhaul technologies;
- Optimization of wireless communication, storage, and computing resources;
- Video streaming with network intelligence;
- Multimedia AIoT systems and applications.

Guest Editors

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Dr. Chao-Hsien Lee

Dr. Yu-Chi Chung

Deadline for manuscript submissions

closed (15 July 2024)



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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).