

Special Issue

Artificial Intelligence and Machine Learning Technology in Wireless Communication

Message from the Guest Editors

Artificial intelligence (AI) and machine learning (ML) have been evolving rapidly in every area of research. AI, in varying forms and degrees, has been used to develop and advance a wide spectrum of fields, including wireless communication. This Special Issue aims to report on applications of AI and ML in wireless communication. The field of wireless communication is undergoing a massive transformation with the integration of AI, ML, and blockchain. These advanced technologies have the potential to transform many communication areas by optimizing network performance, enhancing security, and automating various manual processes involved in managing a wireless network. Advanced machine learning (ML) techniques like deep learning can be used to optimize network performance, enhance security, and automate various manual processes. Similarly, AI applications in wireless communications are playing a vital role, especially with the deployment of 5G networks and the expected growth in the number of connected devices.

Guest Editors

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Deadline for manuscript submissions

15 June 2026



Electronics

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Impact Factor 2.6
CiteScore 6.1



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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 guestedited by leading experts in selected topics of interest.

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