

Special Issue

Next-Generation Intelligent Wireless Communication Systems: Theory, Algorithms, and Deployable Applications

Message from the Guest Editors

This Special Issue focuses on the integration of recent intelligent theoretical frameworks, innovative algorithms, and practical applications to advance wireless communication systems. It aims to address the challenges posed by the increasing demand for high-speed, reliable, and efficient wireless networks, especially in the context of emerging technologies such as 6G mobile communications. Key areas of interest include the development of intelligent algorithms for resource management; the application of artificial intelligence (AI) and machine learning techniques for physical layer design; network optimization; and the exploration of novel architectures that support scalability and adaptability in dynamic communication environments. This Special Issue also seeks contributions that discuss the deployment of these advanced systems in real-world scenarios, highlighting the transition from theoretical models to practical implementations. It serves as a platform for researchers and practitioners to share insights, propose innovative solutions, and discuss the implications of these technologies on the evolution of wireless networks.

Guest Editors

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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