

Special Issue

Emerging Technologies Integration in IoT and Wireless Networks: Advancing Security and Performance in Cross- Domain Applications

Message from the Guest Editors

This Special Issue focuses on the evolving landscape of Internet of Things (IoT) and wireless networks, with particular emphasis on emerging technologies, protocols, and integration frameworks which enhance connectivity, security, and performance in multi-domain applications. The primary focus is on three key areas: (1) advanced wireless communication technologies for IoT and sensor networks; (2) integration of blockchain and distributed ledger technologies for secure and trustworthy IoT ecosystems; and (3) novel network protocols and architectures that address the challenges of scalability, interoperability, and resource efficiency in modern IoT deployments.

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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 guest-edited by leading experts in selected topics of interest.

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