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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