

Special Issue

Advances in Wireless Sensor Networks and Communication Technology

Message from the Guest Editors

This Special Issue aims to delve into the latest developments and breakthroughs in wireless sensor networks and communication technologies, offering insights into cutting-edge research and addressing emerging challenges. Topics of interest include, but are not limited to, the following:

Integration of Internet of Things (IoT) with wireless sensor networks;

Energy-efficient communication protocols for WSNs;

Reconfigurable intelligent surfaces;

Data fusion algorithm for wireless sensor networks;

Advances in wireless communication technologies (e.g., 5G, Wi-Fi 6);

Security and privacy issues in wireless sensor networks;

Machine learning and artificial intelligence for wireless communication systems;

Millimeter wave (mmWave) and terahertz (THz) communications;

Wireless communication for autonomous vehicles;

Cellular networks (e.g., 4G, 5G, 6G);

Localization and tracking techniques in wireless sensor networks;

Cognitive radio networks and dynamic spectrum access techniques for WSNs;

IoT connectivity and interoperability challenges;

Real-time applications and deployment strategies for WSNs;

Emerging trends and future directions in wireless communication technology.

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Deadline for manuscript submissions

20 November 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/201465

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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