Recent Advances in Wireless Sensor Networks and Communications

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Developments in wireless communication networks, sensors, and device manufacturing have given rise to the widespread deployment of wireless sensor networks. This infrastructure now serves a number of applications, ranging from geographical monitoring, medical care, manufacturing, and transportation to military and surveillance systems.

These have unique challenges that need to be met for efficient deployment and operation. Due to the resource-limited nature of networked sensor devices, the design, both at the hardware and the software level, must be energy-efficient and lightweight and at the same time guarantee the needed levels of performance and security.

This Special Issue aims to serve as a platform to report and present recent advances in the field. Original contributions are solicited in all the relevant issues in wireless sensor networks, including but not limited to:

- Protocols and architectures for multihop wireless sensor networks;
- Protocols and architectures for LPWANs;
- Novel protocols and architectures;
- Network security protocols;
- Privacy issues;
- Novel applications/testbeds;
- Performance evaluation.

Special Issue

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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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