Special Issue

Recent Advances in Wireless Sensor Networks and Its Applications

Message from the Guest Editors

In recent years, wireless sensor networks (WSNs) have been widely deployed, such as for environmental monitoring, scientific exploration, and infrastructure surveillance, to obtain a great quantity of sensing data. These new application scenarios require wireless sensor networks to be more affordable, with a higher computing capacity and bigger energy supply. This poses new challenges in the constant evolution of wireless sensor networks. Therefore, this Special Issue intends to present new ideas and experimental results in the field of wireless sensor networks from their design, service, and theory to practical applications. This Special Issue will focus on (but is not limited to) the following topics:

- Novel WSN architecture and protocol design;
- Hardware design for WSNs;
- New network/link/physical layer design for WSNs;
- Network coverage and node placement in WSNs;
- Innovative applications of WSNs;
- Wireless rechargeable sensor networks and energy-harvesting WSNs;
- Secure WSNs;
- Machine learning and artificial intelligence application in WSNs.

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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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