

Special Issue

Recent Advances on Wireless Sensor Networks (WSN)

Message from the Guest Editors

Wireless Sensor Networks have been developed under the paradigms of both the Smart City and the Internet of Things (IoT). In recent years, there has been a rapid evolution of WSN, and many works have been developed. To date, several authors have designed and deployed WSN for different purposes, such as environmental and acoustic monitoring. Nevertheless, the WSN paradigm presents several challenges, ranging from those derived from the design and development of the wireless sensor network, such as energy harvesting and low-cost hardware development and maintenance, to some specific challenges derived from the automation of data collection and subsequent signal processing, new communications protocols, and security. The authors are invited to submit to this Special Issue original works in which new advances and proposals in the use of the WSN are presented. The aim is to present contributions in the different aspects of innovation in the field of WSN: theoretical studies, advances in the design of new sensors and protocols, new fields of application, results of longitudinal studies in the use of this technology, and other studies in which WSN are the focus of interest.

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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.

Editor-in-Chief

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