Special Issue

Trends and Prospects for Wireless Sensor Networks and IoT

Message from the Guest Editors

The use of the wireless sensor networks (WSN), especially as part of the so-called Internet of Things (IoT) systems and applications, has experienced an exponential growth during recent years. More and more monitoring and management systems are using such approaches, including robotic systems, automated systems and a variety of others. This period has seen the accomplishment of a continuous integration between sensing devices, communication and management networks and automated systems. This trend is driven not only by progress in computing and sensing technologies, such as technological progress in low-energy consumption and energy harvesting, but also in the new capabilities offered by the new communications systems generations. This has given additional support with the increase in automated systems capabilities, based on new achievements in artificial intelligence (AI) and augmented reality (AR) achievements.

Targeting all the elements highlighted above, the present Special Issue intends to contribute to dealing with the challenges in and evolutions of wireless sensor networks (WSN) and Internet of Things (IoT) technologies and their applications.

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About the Journal

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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