Special Issue

Human Activity Recognition (HAR) in Healthcare

Message from the Guest Editors

Technological advances, including those in the medical field, have improved patients' quality of life. These results have led to an increased elderly population with a greater demand for healthcare, which is difficult to meet due to caregivers' expensive and scarce availability. Advances in artificial intelligence, wireless connection systems, and nanotechnologies allow intelligent human health monitoring systems to be created, avoiding hospitalization with apparent cost containment. Recognizing human activities (HAR) is fundamental in the health monitoring system. They are based on the use of data collected through sensors or on viewing through images captured by cameras. In addition, they can guarantee functions of activity recognition, monitoring of vital functions, traceability, detection of falls and safety alarms, and cognitive assistance. The rapid developments of the Internet of Things (IoT) support research into a wide range of automated and interconnected solutions to improve the quality of life of older people and their independence. With IoT, it is possible to create innovative solutions in Ambient Intelligence (Aml) and Ambient Assisted Living (AAL).

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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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