Human Activity Recognition (HAR) in Healthcare, 2nd Edition

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Message from the Guest Editors

Dear Colleagues,

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, specially those based on the use of data collected through sensors or on viewing images captured by cameras is fundamental in the health monitoring system. In addition, they can guarantee activity recognition functions, the monitoring of vital functions, traceability, the detection of falls and safety alarms, and cognitive assistance. The rapid development of the Internet of Things supports research on 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 and ambient assisted living.

Special Issue

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Message from the Editor-in-Chief

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