



IMU Sensors for Human Activity Monitoring

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Deadline for manuscript
submissions:
closed (15 January 2024)

Message from the Guest Editors

Dear Colleagues,

Human activity recognition (HAR) refers to the task of understanding the activities a subject performs with the help of wearable or visual sensors. HAR is currently employed in the majority of smart devices to recognize activities for fitness or health applications. Another important use of HAR is in assisted living environments, where patients can be remotely monitored by their caregivers or medical personnel.

Inertial measurement unit sensors (IMU) are widely used for human activity recognition. IMU sensors usually refer to accelerometers, gyroscopes, and magnetometers. Although accelerometers are found to have the best performance in activity recognition, their combination with other inertial sensors can prove beneficial.

This Special Issue aims to present original works on human activity recognition based on IMU sensors, with a special focus on multimodal HAR applications that include IMU sensors and their combinations with other types of sensors (e.g., physiological, visual).

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an Open Access Journal by MDPI

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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

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