



Sensor-Based Human Activity Recognition in Real-World Scenarios

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Message from the Guest Editors

As we have witnessed over the last few decades, more and more smart homes, wearable-based systems, and real-world testbeds are emerging, indicating promising value in applications such as healthcare, wellbeing, and smart environments. One of the core enabling technologies underlying these applications is sensor-based human activity recognition, which consists of inferring high-level activities from low-level sensor data to support context-aware applications.

Studying human behaviours using unobtrusive sensors (including environmental and/or wearable sensors) is a popular research area, and a large number of data- and knowledge-driven techniques have been proposed. However, developing robust human activity recognition systems for long-term and real-world deployments still faces many research challenges, including a lack of high-quality labelled data, continual learning, the emergence of new activities, and privacy issues. This Special Issue serves as a forum to enable researchers and practitioners to present their latest research findings and engineering experiences in empirical studies, including novel techniques for activity recognition in real-world scenarios.





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Message from the Editor-in-Chief

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