Techniques and Advances in Human Activity Recognition

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closed (16 June 2024)

Message from the Guest Editors

Human activity recognition (HAR) is a research area and potentially an enabling technology important in various application domains such as robotics, surveillance, assistance, sports, and healthcare.

HAR is constantly evolving in terms of efficiency and accuracy due to the advancement in sensing devices, the development of data processing techniques and ubiquitous computing. At the same time, this increased technical and computational complexity opens up a scope for improvements in the various supporting sensory approaches and algorithmic solutions that will bring us closer to using HAR in real-world environments.

The objective of this Special Issue to seek the submissions from academia and industry presenting original research with theoretical and practical contributions to human activity recognition. Topics of interest include, but are not limited to, the following:

- Multi-sensor information fusion;
- Sensor modalities integration;
- Wearable devices;
- Interactions and crowd activity modelling;
- Dataset labelling strategies;
- Deep learning and machine learning;
- Feature engineering;
- Contextual information modelling;
- Performance metric in HAR;
- IoT platforms for HAR.

Special Issue

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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