

Special Issue

Wireless Sensor Networks for Activity Recognition in Smart Homes and Smart Cities

Message from the Guest Editor

Wireless sensors networks (WSNs) are changing the world as we know it, and they have yet to truly reach their full potential. Many applications of WSNs are enabled through understanding and observing the behaviors of humans interacting with them, such as a smart home, a smart city, or any other type of smart environment. In particular, challenges related to the lack of ground truth, granularity of activities, multiple users, limited computation/energy level, and real-time/online constraints are still to be solved. In this Special Issue, we aim to gather significant contributions for WSNs and activity recognition in the context of smart homes and smart cities. The topics of interest include, but are not limited to, the following:

- Fine-grained activity recognition;
- Human-assisted activity recognition;
- Deep learning for WSN applications;
- Custom-made WSN infrastructure;
- DIY projects for homes and cities;
- Distributed activity recognition;
- Online and real-time activity recognition;
- Power and calculation optimization for WSNs.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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