Special Issue

Sensors and Sensing Technologies for Activity and Motion Detection and Recognition

Message from the Guest Editor

Sensors and sensing technologies are a thriving area of research, especially in the context of activity and motion detection and recognition. This not only encompasses human activities but also the behavior of animals and object tracking. In fact, advancements and the emergence of next-generation sensing and sensor technologies enable the monitoring of motion not only in close and open spaces but also over both short and extended periods of time. Versatility and ubiquity represent emerging trends in sensing and sensor technologies. In tandem with the raw data generated by hardware technology, post-processing through dedicated algorithms not only facilitates detection but also recognition. Machine learning techniques, including supervised and unsupervised methods, offer a variety of approaches. Both time and memory cost calculation of algorithms are as important as the accuracy and precision of the motion detection and recognition to evaluate the portability or the efficiency of the software solution. The objective of this Special Issue is to present the current state of the art in Sensors and Sensing Technologies for Activity and Motion Detection and Recognition.

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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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