

Special Issue

Computer Vision in Human Activity Recognition and Behavior Analysis

Message from the Guest Editor

Nowadays, with advances being made in computer vision, it is common for intelligent monitoring to observe human activities and behaviors, as well as report abnormal situations. However, it is a different task for the computing environment to extract accurate information about human activities and behaviors from videos or images. The area of human behavior recognition integrates multi-disciplinary knowledge, such as artificial intelligence, deep learning, video/image processing, machine vision, sensors, and pattern recognition. This Special Issue aims to highlight the state-of-the-art research in computer vision in human activity recognition and behavior analysis, especially trans-domain methods with different sensing and vision technologies, that are energy efficient and make optimal use of compute resources. The topics in focus include, but are not limited to:

- Human activity recognition;
- Machine vision;
- Deep learning;
- Pattern Behavior Recognition;
- Movement analysis;
- Recognize/analyze gestures using smart devices;
- Human-centric sensing;
- Early action prediction.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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