Special Issue

Object Detection Tracking and Action Recognition in Dynamic and Unconstrained Environments

Message from the Guest Editors

This Special Issue of the journal focuses on recent advances in vision-based object detection and tracking such as action and event recognition in dynamic and unconstrained environments. It aims to bring together researchers and practitioners from academia and industry to present and discuss their latest research results, challenges, and future directions in this field. We invite original research papers, reviews, and case studies that address, but are not limited to, the following topics:

- Object detection in dynamic and unconstrained environments;
- Object tracking in complex scenes with occlusions and dynamic backgrounds;
- Object localization in videos;
- Recognition of actions and events in complex and unconstrained environments;
- Deep learning-based approaches for object detection tracking and action recognition;
- Multi-camera and sensor fusion for robust object tracking;
- Real-time and low-latency object detection and tracking;
- Large-scale datasets and benchmarks for object detection and tracking;
- Applications of vision-based object detection and tracking, such as surveillance, autonomous vehicles, robotics, and augmented reality.

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Deadline for manuscript submissions

closed (30 November 2024)

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About the Journal

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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