Special Issue

Computer Vision for Object Detection and Tracking with Sensor-Based Applications

Message from the Guest Editors

This Special Issue aims to explore the intersection of computer vision techniques and sensor technologies for object detection and tracking. With the rapid advancements in both computer vision and sensor technologies, there is a growing need to understand their synergistic relationship and explore their potential applications. In addition, with the rapid developments of artificial intelligence (e.g., deep learning) theories and techniques, AI-guided computer vision techniques (e.g., deep learning-based object detection) have demonstrated state-of-the-art performances in several related fields. This Special Issue seeks to bring together cutting-edge research and applications that demonstrate the integration of computer vision algorithms with various sensor technologies for robust and efficient object detection and tracking.

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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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