Special Issue

Sensors for Object Detection, Classification and Tracking II

Message from the Guest Editors

In recent years, there has been a rapid and successful expansion of computer vision research in several application fields. Object detection is one area that has attained great progress. The intended use of object detection is to determine the location and the class of all (or specific) object instances in an image, and to achieve the temporal tracking of their position. Algorithms for object detection are strictly dependent on acquisition devices (RGB cameras, thermal, infrared, multi/hyper-spectral). On the other hand, deep neural networks (DNNs) have recently emerged as a powerful machine-learning model able to learn powerful object representations/models without the need to manually design features. The goal of this Special Issue of *Sensors* is provide perspective on object detection research. It will be dedicated to highlighting both theoretical and practical aspects of object detection; deep learning-based approaches are welcomed, as are approaches based on unconventional input sensors, such as multispectral or thermal images.

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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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