

Special Issue

Computer Vision and Intelligent Sensing Based on Pattern Recognition

Message from the Guest Editors

Deep learning and a new round of artificial intelligence development have greatly promoted the development of computer vision and intelligent sensing—for example, human action pattern recognition based on acceleration sensors has become an emerging research direction in the field of pattern recognition. This Special Issue welcomes submissions related to the following research topics: vision research under new imaging conditions, biologically inspired computer vision research, multi-sensor fusion 3D vision research, visual scene understanding under highly dynamic complex scenes, small-sample target recognition and understanding, and complex behavior semantic understanding. Electronic files and software providing full details of calculation and experimental procedures can be deposited as supplementary material.

- computer vision
- pattern recognition
- intelligent sensing
- deep learning
- image and video analysis and processing
- intelligent sensors
- intelligent video surveillance
- intelligent visual inspection
- security and privacy in sensing

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)



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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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