

Special Issue

Image/Signal Processing and Machine Vision in Sensing Applications

Message from the Guest Editors

Machine vision encompasses all industrial and non-industrial applications in which a combination of hardware and software provides operational guidance to devices in the execution of their functions based on the capture and processing of images. Machine vision and image processing technologies are widely employed in sensor science and technology. This Special Issue intends to invite papers that include but are not exclusive to the following topics: artificial intelligence; pattern recognition/analysis technologies in human analysis; behavior understanding and image processing in chemical, biological and physical sensors; measurement compensation and calibration; sensor applications in robotics and intelligent systems; non-destructive testing and evaluation; precision measurements and metrology; and remote sensing methods. Both theoretical and experimental studies are welcome, are comprehensive review and survey papers.

- image and signal processing
- machine vision
- sensor science and technology
- image processing in chemical, biological and physical sensors
- remote sensing
- sensor-based industrial inspection

Guest Editors

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Deadline for manuscript submissions

closed (10 May 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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