

Special Issue

Image Feature Extraction for Computer Vision Tasks in Sensor Systems and Applications

Message from the Guest Editors

Integrating sensor and computer vision technologies drives innovation and transformation across industries such as smart cities, autonomous driving, medical image analysis, industrial automation, and environmental monitoring. This Special Issue focuses on applying image feature extraction techniques to sensor systems within computer vision. Image feature extraction is one of the core technologies in computer vision. It enables task recognition, tracking, and classification by extracting meaningful information from images. Sensor systems collect large amounts of image data in various application scenarios, and efficient and accurate image feature extraction can significantly enhance system performance and intelligence. This Special Issue covers, but is not limited to, the following topics:

- Representation Learning;
- Deep Learning Architecture Design;
- Image Feature Extraction Methods;
- Visual Inspection and Quality Control in IoT;
- Medical Image Analysis;
- Image Denoising and Enhancement;
- Image Classification;
- Feature Matching;
- Image Defect Detection;
- Three-Dimensional Reconstruction.

Guest Editors

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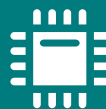
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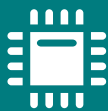


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Message from the Editor-in-Chief

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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