Special Issue

Image/Video Segmentation Based on Sensor Fusion

Message from the Guest Editor

In the past decades, with the fast development of deep learning, image/video segmentation has achieved great advances as one of the hottest research topics in computer vision. With the introduction of the foundation model into segmentation, the segmentation anything model (SAM) has been proposed and pushed the boundaries of segmentation into a new era, which demonstrates astonishing performance on segmenting any objects in a variety of applications, such as visual object tracking, medical image segmentation, and satellite image segmentation, to name a few. The objective of this Special Issue is to generate a comprehensive understanding of deep learning in image/video segmentation for both theoretical and practical implications. Both original research and review articles are welcome. Topics include, but are not limited to, the following:

- Multi-modality natural/medical/satellite remote sensing image/video segmentation;
- Few-shot learning on segmentation;
- SAM-based image/video segmentation;
- Applications of video segmentation on visual tracking, object detection, and object recognition.

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Deadline for manuscript submissions

closed (20 February 2024)

Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

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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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