

# Special Issue

## Intelligent Sensing and Artificial Intelligence for Image Processing

### Message from the Guest Editors

Due to advances in both intelligent sensing and artificial intelligence, novel theories and methods have been proposed with regard to image processing. This transformation has led to intelligent sensing and artificial intelligence being employed to solve various problems, including, but not limited to, object detection, recognition, classification, segmentation, and tracking. The application of intelligent sensing and artificial intelligence in image processing has moved beyond traditional fields and now covers a wide range of fields such as healthcare, surveillance, autonomous vehicles, agriculture and industrial automation, offering more solutions to complex challenges. The Special Issue aims to present recent advanced techniques in image processing based on artificial intelligence and intelligent sensing. Topics may include, but are not limited to, the following:

- Image fusion
- Image registration
- Image segmentation
- Image recovery and enhancement
- Image classification
- Pattern recognition
- Remote sensing image processing
- Object detection, tracking and recognition
- Action recognition
- Neural networks and deep learning

### Guest Editors

Prof. Dr. Hui-liang Shen

Dr. Eryun Liu

Dr. Siyuan Cao

### Deadline for manuscript submissions

31 December 2025



## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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