

Special Issue

Digital Imaging Processing, Sensing, and Object Recognition

Message from the Guest Editors

We invite contributions that explore novel methodologies, algorithms, and applications in areas including, but not limited to, the following:

- Advanced algorithms for image segmentation, enhancement, and reconstruction.
- Deep learning and machine learning approaches for object detection and classification.
- The integration of image processing in sensor networks for real-time analysis.
- The application of image processing in autonomous systems, such as drones and robots.
- Techniques for 3D object recognition and modeling.
- Image processing in challenging environments (such as underwater, aerial, and low-light environments).
- Multi-spectral and hyper-spectral imaging for object identification.
- Real-world applications in security, surveillance, healthcare, environmental monitoring, and more.
- Ethical considerations and privacy issues in object recognition systems.

Guest Editors

Dr. Marco Buzzelli

Dr. Flavio Piccoli

Prof. Dr. Alain Tremeau

Deadline for manuscript submissions

15 November 2025



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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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