

Special Issue

Machine Learning and Image-Based Smart Sensing and Applications

Message from the Guest Editors

In recent years, the integration of machine learning techniques with image-based smart sensing has emerged as a powerful paradigm, reshaping the landscape of computer vision technologies and their applications. From healthcare to environmental monitoring, from autonomous systems to augmented reality, the synergy between machine learning and image-based sensing has paved the way for innovative solutions to complex real-world problems. This Special Issue seeks to explore the latest developments and trends in this exciting field, providing a platform for researchers and practitioners to exchange ideas, share insights, and push the boundaries of what is possible with machine learning and image-based smart sensing. Topics of interest include, but are not limited to

- deep learning
- smart sensing
- image processing
- computer vision
- medical imaging
- healthcare diagnostics
- security and surveillance systems
- multi-modal sensor fusion
- environmental monitoring and sustainability solutions

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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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