

## Special Issue

# Integrating Deep Learning and Sensor Technologies: Innovations and Applications in Computer Vision

### Message from the Guest Editors

In recent years, the integration of deep learning and sensor technologies has emerged as a transformative force in the field of computer vision, driving innovations and applications across a wide range of industries. This fusion not only enhances the capabilities of computer vision systems but also opens up new avenues for research and development. The advent of highly energy-efficient and advanced sensors, coupled with the exponential growth in deep learning algorithms, have significantly expanded the horizons of what can be achieved in computer vision. This Special Issue, titled "Integrating Deep Learning and Sensor Technologies: Innovations and Applications in Computer Vision", aims to showcase original research and review articles that highlight recent advances, technologies, solutions, applications, and new challenges in this vibrant field. We seek contributions that demonstrate the innovative integration of deep learning and sensor technologies to address complex problems, enhance system performance, and unlock new capabilities in computer vision.

### Guest Editors

Dr. Arianna D'Ulizia  
Prof. Dr. Heinz Dieter Fill  
Dr. Yong Wang

### Deadline for manuscript submissions

closed (15 November 2024)



## Sensors

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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

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