

## Special Issue

# Transforming Vision Systems: Advances in 3D Scene and Object Recognition

### Message from the Guest Editors

The understanding of 3D scenes and object recognition have advanced significantly in recent years, driven by the integration of machine learning, computer vision, and artificial intelligence. This technology focuses on the ability of systems to interpret and understand three-dimensional environments, recognizing and categorizing objects within these scenes with high accuracy. Such applications span across various industries, including autonomous driving, robotics, augmented reality, and smart surveillance. The latest techniques leverage deep learning algorithms, LiDAR, and stereo vision to enhance spatial awareness and object detection capabilities, pushing the boundaries of what machines can perceive and comprehend in complex environments.

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### Guest Editors

Dr. Félix Escalona Moncholí

Prof. Dr. Miguel Angel Cazorla

Dr. Francisco Gomez-Donoso

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### Deadline for manuscript submissions

closed (30 June 2025)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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