



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

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Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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