

## Special Issue

# Recent Applications of Object Recognition and Target Detection in Computer Vision

### Message from the Guest Editors

This Special Issue aims to showcase cutting-edge research and innovative applications leveraging object recognition and target detection. We particularly seek contributions that demonstrate novel methodologies, address practical challenges in real-world deployment, or explore emerging trends pushing the boundaries of performance. We invite original research highlighting significant recent progress.

Topics of interest include, but are not limited to, the following:

Advanced deep learning models (CNN, transformer, etc.) for recognition/detection;

Real-time object recognition/target detection in video streams;

Three-dimensional object recognition/target detection and pose estimation;

Small object, occluded object, and adversarial attack detection;

Multi-modal fusion (RGB-D, LiDAR, and thermal) for recognition/detection;

Recognition/detection applications in autonomous driving, robotics, healthcare, security, and industrial automation.

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### Guest Editors

Dr. Yan Gan

Dr. Deqiang Ouyang

Dr. Xiangpeng Li

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### Deadline for manuscript submissions

15 April 2026



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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