

## Special Issue

# Recent Applications of Object Detection, Tracking, and Abnormal Detection Based on AI

### Message from the Guest Editors

One important application area of modern AI techniques is object detection, tracking, and abnormal detection. A variety of signal processing and machine learning—especially deep learning—technologies have been developed for object detection and the tracking and detection of abnormalities based on different sensor modality recordings (including but not limited to vision sensors, acoustic sensors, accelerometers/gyroscope sensors, etc.) in different areas (such as healthcare, agriculture, robotics, energy, surveillance, and so on). The main aim of this Special Issue is to seek high-quality submissions that highlight emerging applications and address recent breakthroughs in modern signal processing, machine learning, and deep learning techniques for object detection/tracking and abnormal detection. The topics of interest include but are not limited to:

- ML/DL algorithm development and applications for object detection/tracking and abnormal detection in healthcare/robotics/agriculture/surveillance/energy;
- Multimodal information fusion for object detection/tracking and abnormal detection;
- Signal processing algorithms for object tracking;
- ...

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### Guest Editors

Dr. Miao Yu

Prof. Dr. Stefanos Kollias

Prof. Dr. Xujiang Ye

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### Deadline for manuscript submissions

closed (30 June 2022)



## Electronics

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### 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 guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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