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

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Deadline for manuscript submissions:
closed (30 June 2022)

Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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