



## Deep Learning for Object Detection and Tracking in Video Surveillance Applications

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### Message from the Guest Editors

With the ubiquitous availability of video cameras and advances in deep learning, the past few years have witnessed an immensely growing interest in intelligent video analytics from both academia and industry. The goal is to automatically analyze video content, detect objects, and track their temporal and spatial changes under challenging scenarios. Topics of interest are related to deep learning approaches for object detection and tracking in various application domains, including but not limited to: Smart cities; Smart homes; Smart healthcare; Autonomous vehicles and smart parking systems; Visual homeland security and surveillance; Crowd management; Human behavior, gesture, and sign language; Human motion analysis and recognition; Vision-based human-computer interaction; Cognitive robots and navigation systems; Safety and adversarial activity recognition; Person tracking in retail stores; Adversarial attacks against DL-based object detection and/or tracking; Drone-based surveillance and monitoring; Multi-modal fusion of video and other sensory data for surveillance; Anomalous activities/events detection and tracking; Edge-assisted DL-based visual surveillance.





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## Message from the Editor-in-Chief

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