



## Current Challenges and Techniques: Computer Vision, Deep Learning, and Machine Learning for Crime Prevention in Smart Cities

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### Message from the Guest Editors

Nowadays, surveillance cameras are installed everywhere to monitor human activities and enable object detection,, protection of human assets, and identifying certain actions to prevent crimes and abnormal events. However, the involvement of humans in camera-based monitoring has also risen and is becoming increasingly costly and problematic to intelligently manage. An automatic system for such monitoring of activities will ease the detection and recognition of ongoing events. The main objective of detecting these events is to reduce crime rates and create a more secure and safe environment.

Topics of interest include but are not limited to:

Computer vision in forensics

Biometrics for security

Monitoring of activity, interaction and/or intention from  
videos

Egocentric vision for surveillance

Detection, tracking and recognition

Activity recognition

Analysis of abnormal activities

AI-assisted technologies for security

Violence detection





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