Detecting the vehicles and having a detailed behavior analysis of the vehicles and their behavior in a traffic surveillance system is an emerging area of research. Vehicle detection would be the first step to be addressed in this process. Various classes of vehicles are to be detected from the surveillance video and then they need to be classified based on various feature points. This paper brings out the different methods used for the vehicle detection from a video. An overview of the edge detection methodology is also given here, which is one of the methodologies used in vehicle detection.
Application of Edge Detection for Vehicle Detection in Traffic Surveillance System

- Zhang Yuanyuan, Zhang kaiwen and Mao Yuming, 2012 Research on Vehicle detection method based on video Images, in International Conference on Industrial Control and Electronics Engineering, IEEE.
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Index Terms

Computer Science | Image Processing

Keywords

Intelligent Transport System | Background subtraction | optical flow | frame differencing
edge detection