Abstract

Autonomous vehicle system is a demanding application in our daily lives. With increasing number of road accidents, loss to life and property has increased the demand of autonomous technology in vehicles. The interaction between the driver and system should aid the driving process without interfering with safety and ease of vehicle operation. The system must be optimum so that it can come into existence in Real-World. This research focuses on the development of the assistance system where a machine vision system is used as a detector for the automated steering system to extract information.

References

- Yongquan Xia, "A Novel On-Road Object Detection Approach Based on"
Vision

Vision based Assistance for Vehicular Navigation


- Aly, M., "Real time detection of lane markers in urban streets," IEEE Intelligent Vehicles Symposium, pp. 7-12, 2008.


Index Terms

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