Abstract

Traffic road sign detection and recognition is important to transport system with a robotic eyes or camera while driving in the road. This paper presents and overview the traffic road sign detection and recognition, we developed and implemented the procedure to extract the road sign from a natural complex image. The main objective of this paper is to design and construct a computer based system which can automatically detect the direction of the road sign. This paper is based upon a major approach to detect the direction. In this paper, we will demonstrate the basic idea of how detect the area and extract it. This system will play an important role for the detection purpose of specific domains like island, schools, traffic sign, universities, hospitals, offices etc.

References

- Sergio Escalera and Petia Radeva Centre de Visió per ComputadorEdifici O – Campus UAB, 08193 Bellaterra, Barcelona, Catalonia, Spain {sescalera,petia}@cvc. uab. es.
Traffic Road Sign Detection and Recognition for Automotive Vehicles

- Arturo de la Escalera, Luis E. Moreno, Miguel Angel Salichs and Jose Maria Armingol. "Road Traffic Signs Detection and Classification." CICYT Project TAP94-0711-C03-02, jul. 1996.
- Arturo de la Escalera, Member, IEEE, Luis E. Moreno, Member, IEEE, Miguel Angel Salichs, Member, IEEE, and Jose Marí i a Armingol.
- O. A. Zuniga and R. Haralik. "Corner detection using the facet model." in
Traffic Road Sign Detection and Recognition for Automotive Vehicles

- A. de la Escalera, J. Mª Armingol, M. A. Salichs Systems Engineering and Automation Division, Universidad Carlos III de Madrid, Leganés, Madrid, Spain. Phone: +916249430, Fax: +916249431, E-mail: escalera@ing.uc3m.es
- A. de la Escalera, J. Mª Armingol, M. A. Salichs Systems Engineering and Automation Division, Universidad Carlos III de Madrid, Leganés, Madrid, Spain. Phone: +916249430, Fax: +916249431, E-mail: escalera@ing.uc3m.es

Index Terms

Computer Science
Automated Systems

Keywords

Web based application testing performance testing functional testing test methods integration e-commerce.