Abstract

Monitoring the driver behavior is one of the ways to prevent the fatal accidents and it is necessary to alert the driver when they are drowsy or in a distracted state. Distraction and drowsiness of the driver have been important factors for a large number of major accidents. They reduce the decision making capability and the perception level of the driver which negatively affect the ability of the driver to control the vehicle. A large number of serious or fatal accidents are occurred due to excessive or inappropriate speed of the vehicle and fatigue nature of the driver. With the new developed systems (sensors) there is a possibility of self controlling the vehicle when the driver was drunk or reckless or fatigue in order to reduce the major accidents. There is also a possibility of tracking the location of the accident, if occurs, through wireless access technology (GSM, GPS) so that proper measures are taken at a correct time.

References
Driver Behavior Monitoring through Sensors and Tracking the Accident using Wireless Technology

- L. M. Bergasa J. Nuevo M. A. Sotalo and M. Vazquez; Real-time system for monitoring driver vigilance; Proc. IEEE Intelligent Vehicle symposium, pp. 78-83, 2004

Index Terms

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Keywords

ARM  driver behavior  GPS  GSM  MEMS.