REAL TIME SYSTEM FOR DETECTING DISTRACTION OF DRIVER

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ABSTRACT

According to National Highway Traffic Safety Administration [NHTSA], driver inattention/distraction is one of the major causes of road accidents. It would, therefore, be both cost and safety beneficial if a distraction detection system could be developed. This paper describes a real-time non-intrusive method for detecting distraction of driver. It uses webcam to acquire video images of the driver. Visual features like mouth & head pose which are typically characterizing the distraction of the driver are extracted with the help of image processing techniques to detect types of distraction. A study about the performance of this proposal & some results are presented.

KEYWORDS: Image Capturing, Digital Image Processing, Distraction Detection