Vehicle as a Witness using Video Capturing

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 179
Number 27

Year of Publication: 2018

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10.5120/ijca2018916591

Abstract

Several technologies are organized to maintain and help Intelligent Transportation System (ITS). Wireless communications are widely used for short and long range communication within ITS. Sophisticated sensors estimate the speed, length, and class of vehicles and the distance between them and more. Video and internet are also share their resources with the ITS. However road accidents and events are increased especially in modern cities. These events such as fires, stealing, explosions and others are also need to be recorded using new applications that concern on shrinking the bad results of these accidents and events.

In this paper, we intend to make Vehicles act as a video Witnesses for all events on roads using vehicular networks and cloud computing.

The proposed scheme solves the problem of how to make a vehicle work as a witness when an event or an accident is occurring with storage saving. It enables user to get video of vehicle accident and road's events anytime anywhere. The scheme is implemented using test bed and
its performance is evaluated.

References

2. Md. Whaiduzzaman a,n, MehdiSookhak a, Abdullaghani a, RajkumarBuy"A survey on vehicular cloud computing" Mobile Cloud Computing Research Lab, Faculty of Computer Science & Information Technology, University of Malaya, 50603 Kuala Lumpur, Malaysia
10. Chris Thompson, Jules White, Brian Dougherty, Adam Albright, and Douglas C.Schmidt " Using Smartphones to Detect Car Accidents and Provide Situational Awareness to Emergency Responders " Vanderbilt University, Nashville, TN USA
13. James Cowling "Dynamic Location Management in Heterogeneous Cellular Networks" A thesis submitted in partial fulfillment of the requirements for the degree of Bachelor of Computer Science and Technology (University of Sydney Australia) October 2004.
Index Terms

Computer Science 
Image Processing

Keywords

Video Capturing