Vehicle as a Witness using Video Capturing

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Authors:
Salah Tofiq Alshami, Fekri M. Abduljalil

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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.

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