

عنوان مقاله:

On the Applications and Techniques of Vehicular Ad-Hoc Networks

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خلاصه مقاله:

Vehicular Ad-Hoc Networks (VANET) models are derived from Mobile Ad-Hoc Networks that possess an impressive role in the intelligent transportation system today and also in the future. So scientists are always looking for the best theories in hope of grasping the fastest and safest connections between vehicles, to provide traffic and accident news in real time. The high number of nodes is one of the significant features of this network that results in an increase of the number of transmitted packets in the network. Distributed system and high mobility of the nodes are the other most important attributes of Vehicular Ad-Hoc networks. In this paper, we aim to review the studies and improvements of vehicular Ad-Hoc network in the fields of safety and traffic management. In addition, we introduce the most common challenges of this network and gather latest methods for resolving those problems. Multi agent systems will be one of the newest and suitable tools in this system. The main purpose is arranging safe connection between agents. Fixing agreements and removing the disputes are not detachable from functional system. It is like group associations and societies which require human collaborations and cooperation. Development of science resulted in utilization of these systems in various aspects like VANET. Nowadays scientists and researchers are interested to make use of these methods for improving the role of vehicle networks in the field of traffic management, safety and .entertainment, we will review them in the following paragraphs

کلمات کلیدی:

Vehicular Ad-Hoc Networks, Multi agent system, Clustering, traffic, routing

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