Abstract

Numerous local incidents occur on road networks daily, many of which may lead to congestion and safety hazards. If vehicles can be provided with information about such incidents or traffic conditions in advance, the quality of driving can be improved significantly in terms of time, distance, and safety. Vehicular Ad Hoc Networks (VANETs) have newly emerged as an effective tool for improving road safety through the dissemination of warning messages among the vehicles in the network about potential obstacles on the road ahead. Various Approaches of data dissemination in vehicular network can be used to inform vehicles about dynamic road traffic condition so that a safe and efficient transportation system can be achieved. Here we extensively reviewed various data dissemination techniques and identify the challenges with it. However, type of VANET applications and inherent VANET characteristics such as different network density, fast movement of vehicles make data dissemination quite challenging.
Reference

- L. Briesemeister, L. Schafers, and G. Hommel, "Disseminating messages among highly mobile hosts based on Inter-vehicle communication", in Proceedings of the IEEE Intelligent Vehicles Symposium, 2000, pp. 522-527.
- U. Lee, J.-S. Park, E. Amir, and M. Gerla, "Fleanet: A virtual market place on vehicular

Index Terms

Computer Science  Transport Systems

Key words

Data Dissemination  Vehicular Ad Hoc Network