Abstract

In recent years VANets have come up as new information promulgation technology. To enhance vehicle and road safety, traffic efficiency, and ease as well as comfort to both drivers and passengers, VANets become an active area of research. In VANets, vehicle work as a node. Vehicle collect different types of information like road traffic and environmental information and transmit them to intended entities but it become a challenging task to route the information to destination because of sparse distribution and high mobility of vehicles in road. To address this issue, clustering has been widely used in many existing proposals in articles. In this paper various challenges for clustering in VANets are discussed briefly but main emphasis laid on the current technique which is widely used nowadays i.e. Token-based Clustered data Gathering Protocol (TCDGP).
- Maslekar, N., et al. Modified C-DRIVE: Clustering based on direction in vehicular environment. in Intelligent Vehicles Symposium (IV), 2011 IEEE. 2011. IEEE.
- Santos, R., R. Edwards, and N. Seed. Inter vehicular data exchange between fast moving road traffic using an ad-hoc cluster-based location routing algorithm and 802.11 b Direct Sequence Spread Spectrum radio. in PostGraduate Networking Conference. 2003.
- Almalag, M. S. and M. C. Weigle. Using traffic flow for cluster formation in vehicular
IEEE.
- Li, W., A. Tizghadam, and A. Leon-Garcia. Robust clustering for connected vehicles using local network criticality. in Communications (ICC), 2012 IEEE International Conference on. 2012. IEEE.
A Survey of all Existing Clustering Protocols in VANETS but Main Emphasis of Survey Laid on Currently using Protocol i.e TCDGP

- Raya, M., A. Aziz, and J. -P. Hubaux. Efficient secure aggregation in VANETs. in Proceedings of the 3rd international workshop on Vehicular ad hoc networks. 2006. ACM.

Index Terms

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Keywords
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