Abstract

Vehicular ad-hoc networks (VANETs) offer a vast number of applications without any support from fixed infrastructure. These applications forward messages in a multi-hop fashion. Designing an efficient routing protocol for all VANET applications is very hard. Hence a survey on routing protocols based on various parameters of VANET is a necessary issue in vehicle-to-
vehicle (V2V) and infrastructure-to-vehicle (IVC) communication. This paper gives a brief overview of different routing algorithms in VANET along with major classifications. The protocols are also compared based on their essential characteristics and tabulated.

Reference

- F. Ros, P.M. Ruiz, and I. Stoimenov, "Reliable and efficient broadcasting in vehicular ad hoc networks", IEEE the 69th Vehicular Technology Conference (VTC’09), Spain, April, 2009.
- M. Kihl, M. Sichitiu, T. Ekeroth and M. Rozenberg, "Reliable Geographical Multicast Routing in Vehicular Ad-hoc Networks" , Lecture Notes in Computer Science 4517 LNCS


Index Terms

Computer Science

Wireless
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