Abstract

Vehicular ad hoc network (VANET) is an advanced form of mobile ad hoc network. In VANET, vehicles communicate with each other. It can be vehicle to vehicle (V2V) or vehicle to infrastructure (V2I) communication. VANET applications can be categorized into two parts, safety applications, and user applications. In this paper, our main focus is on safety applications. VANET has various challenges like frequent topology change and short lifetime duration. To deal with these challenges, VANET requires efficient routing protocols. In this paper, the pros and cons of various routing protocols will be discussed. VANET is very much similar to MANET but the main difference between them is the highly dynamic topology of VANET.

References

Pros and Cons: Various Routing Protocols based on VANET's: A Survey

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Index Terms

Computer Science

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Keywords
V2V V2I VANET Routing DSDV AODV STAR OLSR DSR ZRP GPRS
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