عنوان مقاله:

MAC Protocol Performance Optimization in VANET Employing Clustering Techniques

محل انتشار:

اولین کنفرانس بین المللی چشم انداز های نو در مهندسی برق و کامپیوتر (سال: 1395)

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خلاصه مقاله:

Since automotive safety applications need to publish periodic emergency and status messages, and media access control protocol (MAC) based on competition, has problems such as low power, latency and high hit rate, in this article, a media access control protocol based on clustering Firefly aware of the dynamic data (FFDMMAC) 1 is proposed. In FFDMMAC, a dynamic clustering and aware of distributed data is used in order to consider similar data in dynamic environments. The results show the ability to maintain harmony in the proposed protocol messages aggregated in clusters. Thereby enables nodes that get clustered dynamically based on their messages. As a result, the possibility to identify cars that have clustered together will facilitate. Increase system reliability, reduce latency for automotive safety applications, high dynamic clustering efficient car in a distributed manner, are the important benefits of theproposed protocol.

کلمات کلیدی:

(clustering, Media Access Control (MAC),mobility, reliability, vehicular ad-hoc networks (VANET

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