

VANET ROUTING PROTOCOL FOR MULTIHOP VOICE TRANSMISSION

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ABSTRACT

Voice transmission over vehicular ad-hoc networks (VANET) play an important role in intelligent transport systems. In recent year there has been an interest in the quality oriented adaptive voice delivery, including over Vehicular Ad hoc Network. In this paper, a performance of routing protocol is consider in terms of throughput based on Multihop network communication solution is presented which makes use of ad-hoc modes in order to deliver quality oriented voice content to high speed vehicles. Simulation based testing shows how voice transmission to vehicles when using Multihop mechanism achieves significantly higher throughput with AODV protocol in comparison to the DSDV protocol.

KEYWORDS: Multihop, Ad hoc Voice Transmission, Vehicular Ad hoc, Network