RECOGNITION BASED DISSEMINATION PROTOCOL FOR CONSISTENT AND EFFICIENT BROADCASTING IN VANET

Abstract:

We proposed the broadcast protocol for mobility condition in wide range of vehicular network, which only engage local information acquired via periodic beacon messages, holding acknowledgement of circulated broadcast messages. Each vehicle in a network check whether it belongs to connected dominating set (CDS). In CDS all vehicle use shorter waiting period before retransmission is possible. At time-out expiration, if vehicle is aware of least one neighbor in need of the message, it is retransmitted. The evaluation timer can be restarted at the time of any appearance of new neighbors and address intermittent connected. Our broadcast algorithm resolves the propagation at road intersections without any need to even cognizant intersections. Our algorithm is inherently adaptable to different mobility authorities, without the need to classify network topology or vehicle speeds. We show, through the simulation message efficiency and provide more reliability than existing approach for non-safety vehicular application.