Abstract

Recent days it became a challenge to design a scalable and robust multicasting routing protocol in a mobile Ad Hoc network (MANET). In this paper, we propose a novel Robust and Scalable Geographic Multicast Protocol (RSGM) and simulated the design with beautiful performance analysis with the existing protocols. Our results demonstrate that RSGM can scale a large network size, and can more efficient support multiple multicasting groups in the network. Compared to existing protocol ODMRP and SPBM, RSGM achieves a significantly higher delivery ratio under all circumstances.
References


Index Terms

Computer Science
Wireless Networks
Keywords
Zone  Robust  Zid  Zone Leader  Zone Membership  Neighbour Node