Abstract

Mobile Ad-hoc Network (MANET) is a combination of mobile nodes communicating and transferring data with each other to route a packet from source to their destinations. MANET is used to support dynamic routing techniques in absence of fixed wired infrastructure and centralized control. In MANET less power in mobile communication nodes is a big matter of concern. Due to this some energy efficient techniques should be implemented with existing routing protocols to increase life time of network and reduce network failure and energy. This paper is presenting an Enhanced Energy-Efficient Position Based Routing protocol. The protocol deals with various parameters as Residual Energy, Bandwidth, Load and Hop Count for route discovery. It will improve overall energy of network.

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Index Terms

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Keywords

Load  Residual energy  Bandwidth  Hop Count