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International Journal of Computer Applications

Number 8 - Article 2

Year of Publication: 2011

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10.5120/3159-4371

{bibtex}pxc3874371.bib{/bibtex}

Abstract

An important and essential issue for mobile ad-hoc networks (MANETs) is routing protocol design i.e. a major technical challenge due to the dynamism of the network. The work of this paper is inspired by the thought of taking account of several factors in wireless mobile ad-hoc networks (MANETs) routing design in a unified way. The rational of our inspiration is that most

of the enhancements in DYMO protocol have been based on one criteria i.e. shortest path considered or multipath. There are several works in other On-demand routing protocols which considered some factors in a unified way. Therefore, we propose a routing mechanism i.e. “EA-DYMO Energy Aware Dynamic MANET On demand”. In this routing mechanism, we would consider both the traffic load and energy aware path in a unified way. In this paper, we are modifying route selection procedure by taking the ratio of the energy factor as well as the average traffic load for each path, analysis and simulation we will consider as our future work.

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Index Terms

Computer Science Wireless

Key words

MANET On-demand routing protocols DYMO

Energy Aware