Abstract

The versatile Ad hoc networks provide communication among wireless nodes which occur in the wireless medium. Energy effective routing in MANET is a demanding goal which should be made under consideration. Moreover, energy effective routing is deemed to be the most important design criteria for MANETs because mobile nodes will be powered by batteries with limited capacity. The architecture, of ad hoc network protocol generally based on a conventional layered approach has been found ineffective to deal with energy efficient routing and breakage of links in MANET. This paper proposes a Cross Layer based MANET framework to minimize the energy consumption and maximize the network lifetime.
Cross Layer Based MANET Framework to minimize the energy Consumption and maximize the Network Life Time

References

- Chiara Petrioli, Senior Member, IEEE, Michele Nati, Member, IEEE, Paolo Casari, Member, IEEE, Michele Zorzi, Fellow, IEEE, and Stefano Basagni, Senior Member, IEEE. "ALBA-R: Load-Balancing Geographic Routing Around Connectivity Holes in Wireless Sensor Networks," IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS, VOL. 25, NO. 3, MARCH 2014.

Index Terms

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