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Abstract

Now a day's people make use of sensors in order to have a distant communication without any intervention and to avoid the use of wires so that our communication will be mobile, but these sensors suffers a problem of battery drainage. There are various Energy Efficient Protocols for WSN that are being created which aspire to successfully deliver the data packets from sensor node (source) to the Base Station. These protocols have certain parameters like distance to identify the route. These protocols have a considerable amount of energy to find the minimum distance. Our aim is to formulate a protocol which has a target to calculate an efficient path at the same time save the energy of sensors in order to enhance the lifetime of network. This paper proposed an Optimum Path and Energy Aware Sensor Routing Protocol

(OPEASRP) which makes use of load as a parameter for calculation of optimal path and LEACH for conservation of energy of the nodes.

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Index Terms

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Keywords

Wireless Sensor Network Path Finding Load Balancing