Algorithm for Energy Preservation in Wireless Sensor Network

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Abstract

Wireless sensor network has many issues like energy consumption, security, etc. Wireless sensor network is broadly used in different field like battle-field, education and organization etc. This paper identify that, in order to further development of WSN application in real world, minimizing energy waste is one of the most life-threatening problem. Replacing this energy resource in the field is usually not realistic, and all together, a WSN must operate at least for a given mission time or as long as possible. Hence, the lifetime of a WSN becomes a very essential figure of merit. Here problem recognize by students is that in MAC protocol overhead is biggest issue for WSN. To minimize energy wastage, algorithm is designed in such manner that will decrease overhead from data transmission.

Therefore, mismanaged spares can shorten WSN lifetime instead of extending it. We measured WSN lifetime by simulating the behavior of multiple nodes.
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Index Terms

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Keywords

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