Abstract

Wireless Sensor Network (WSN) is one of the emerging research domains which have posed numerous unique challenges to researchers. The low cost MEMS and low processing capability with ultra low power consumption and low range wireless communication makes it lucrative for being exploited in abundance in future. The inbuilt limitation of energy in the sensor nodes which demanded every functionality of WSNs to be energy efficient. In this survey, an attempt is made to study the energy efficient approaches in WSNs. Classification of energy efficient approaches in WSNs is proposed and It also overviews ongoing research approaches, and provides discussion and provision of some design issues and requirements for building energy efficient mechanisms for WSNs.

References


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Index Terms

Computer Science  Wireless
Keywords

WSNs, Energy Efficiency, Security, Routing, Coverage, Localization