Securing the Wireless Sensor Network from Denial of Sleep attack by isolating the Nodes

Abstract

The Wireless Sensor Network has gained advancement in new era technology. Beside a small size, sensors have the feature of sensing and collecting the data and small and are used in many areas ranging from detecting temperature to providing security for the home. Other than these, sensors are also used for traffic management and military applications. To extend the network lifetime, sensor nodes are placed in sleep mode. Denial of sleep is a type of denial of service attack which prevent nodes from going into sleep mode and resulting in short network lifetime. To secure the system, various techniques are used. This paper represents a more efficient and feasible solution to solve the problem of denial of sleep attack of isolating the nodes to be used in hierarchical clustering.

References

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Index Terms
Computer Science
Wireless

Keywords
Denial of Sleep Attack  Hierarchical Cluster  Sleep Mode  Wireless Sensor network.