Abstract

The paper investigates the change of initial energy in leach protocol to prolong the network lifetime in order to achieve network reliability and scalability. The values of initial energy taken are 0.5, 1, 2, 3 joule. For the case, simulation results show that nodes start decaying after 5100th rounds. Thus nodes are surviving longer for higher energy cases taken. The work recommends adequate energy use to increase network lifetime of Wireless Sensor Networks.

References

- Yun Li, Nan Yu, Weiyi Zhang, "Enhancing the performance of LEACH protocol in
Index Terms

Computer Science

Wireless

Keywords

Wireless Sensor Network  Leach Protocol  Clustering  Network Lifetime