Abstract

In Wireless sensor networks, several routing protocols have been developed to improve the various parameters such as stability period, throughput etc. After a homogenous protocol LEACH, many heterogeneous protocol were developed which successfully improved the routing in WSNs. In this Paper we studied one of the heterogeneous protocol DEEC and its improved version EDEEC and we tried to work on two parameters i.e. Stability period and throughput of the network to improve these further. In this Paper we introduced a new node i.e. super advanced node with the existing heterogeneous nodes in the EDEEC which successfully improved its stability period and we also incorporated a reactive protocol i.e. TEEN in our paper to make our network communication more efficient. Thus we used the best of EDEEC and TEEN and made TADEEC protocol. This has been simulated in Matlab and results have outperformed the LEACH, DEEC, EDEEC etc.

References

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Index Terms

Computer Science
Wireless
Keywords
  EDEEC  DEEC  TEEN