Abstract

The ability to report the sensed data to base station is called connectivity. The sensor network remains connected so that the information collected by sensor nodes can be transmitted back to the base station. Connectivity depends mainly on the existence of link. It is affected by changes in network topology due to mobility, the failure of sensor nodes and attacks and so on. Therefore, Coverage alone in WSN is not sufficient. Therefore, WSN must satisfy both Coverage and Connectivity required by applications simultaneously. In this we proposed RC-CDS algorithm to provide coverage and connectivity in WSN. We compared the proposed algorithm with the existing algorithms and we find that it outperforms well.

References


Index Terms

Computer Science Wireless

Keywords
Connectivity, coverage, energy, WSN, security