

Abstract Details

Title: Improved Transmission in WSN Using a New Vice-Cluster Head Selection Approach in V-Leach Protocol

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Abstract: Wireless sensor network incorporate hundreds or thousands of small compact devices, called sensor nodes, equipped with sensors (e.g. acoustic, seismic or image), which are installed in a particular region to check certain conditions in the environment surrounding them. The sensor nodes collect the required information and then transform the collected data into electric signals which can be processed to give knowledge of some characteristics about the phenomena occurring in a particular region. Data Packet Transmission to the base station is one of the major concerned topic in a Wireless Sensor network. In this work, an enhancement in existing V-Leach protocol is done by introducing a new approach for Vice-Cluster Head selection using some energy and distance parameters. And hence, an improvement in the transmission of packets of data to the base station is noticed.

Keywords: Wireless Sensor Network, Packet Transmission, Base Station, V-Leach, Vice-Cluster Head.