20. AN EFFICIENT ROUTING SCHEME FOR IMPROVING THE NETWORK LIFETIME AND THROUGHPUT IN WIRELESS SENSOR NETWORKS

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The rapid growth of wireless sensor networks humanizing the energy efficiency. Away Cluster Head with Adaptive Clustering Habit (ACH)2 scheme is proposed. The proposed scheme is its away CHs formation, random election and selection of CH mechanism and data scheduling. The (AC H)2 controls the CHs election and selection and take away back transmissions. Thus, the method operations diminish the overall energy consumption and increases the network lifetime, throughput and stability period of the WSN. It also successfully improves the efficiency of clustering based protocols in terms of lifetime and number of alive nodes. (ACH)2 scheme with LEACH and ACH is implemented. The simulation results show that (ACH)2 performs superior than LEACH and ACH correspondingly in terms of lifetime, throughput and number of alive nodes.

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