

170. ADAPTIVE CLUSTERING ROUTING SCHEME TO MINIMIZE THE OVERALL ENERGY CONSUMPTION OF WIRELESS SENSOR NETWORKS

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In wireless sensor networks (WSN) different routing protocol are engaged to increase energy effectiveness. The proposal of routing protocols for WSNs must consider the power and ability. Confines of the network nodes routing protocols imposes a structure on the networks to achieve energy efficiency, stability and scalability. These network nodes are organized in cluster with a node with higher residual energy. Clustering has conceivable to reduce the energy consumption and extend the lifetime on the network. The illogically selected CHs are not optimum in numbers the cluster thus formed exhibit variation in size which leads to unbalanced energy consumption. Many network layer protocols have been proposed which is not optimal in numbers and has non-uniform load. It is proposed to provide uniform load to CHs. So different selection method will be used to select CHs for maximizing the network lifetime and to increases the overall communication distances in routing protocol has to be developed. ACH-(adaptive clustering habit) routing scheme will increases network lifetime and maximize the throughput. ACH can be implemented in- proactive, reactive, homogeneous, heterogeneous environment. The performance on the impact of node density and network lifetime will be analyzed.