

Clustering Based and Centralized Routing Table Topology of Control Protocol in Mobile Wireless Sensor Networks

Authors : Mbida Mohamed, Ezzati Abdellah

Abstract : A strong challenge in the wireless sensor networks (WSN) is to save the energy and have a long life time in the network without having a high rate of loss information. However, topology control (TC) protocols are designed in a way that the network is divided and having a standard system of exchange packets between nodes. In this article, we will propose a clustering based and centralized routing table protocol of TC (CBCRT) which delegates a leader node that will encapsulate a single routing table in every cluster nodes. Hence, if a node wants to send packets to the sink, it requests the information's routing table of the current cluster from the node leader in order to root the packet.

Keywords : mobile wireless sensor networks, routing, topology of control, protocols

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