

EFFICIENT ROUTING PROTOCOL FOR MAINTAINING BETTER ENERGY MANAGEMENT IN SENSOR NETWORKS

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ABSTRACT

Underwater wireless sensor networks (UWSN) similar to the terrestrial sensor networks have different challenges such as limited bandwidth, low battery power, defective underwater Channels and high variable propagation delay. A crucial problem in UWSN is finding an efficient route between a source and a sink. Consequently, great efforts have been made for Designing efficient protocols while considering the unique characteristics of underwater Communication. Several routing protocols are proposed for this issue and can be classified into geographic and non-geographic routing protocols. In this paper we focus on the cluster Head routing protocols to find the minimum distance. We introduce a review and comparison of different algorithms proposed recently in the literature. We are also presented a novel Taxonomy of these routing in which the protocols are classified into two categories (intra Cluster and inter cluster) according to their forwarding strategies.

KEYWORDS: Efficient Routing Protocol for Maintaining Better Energy Management in Sensor Networks