

A SURVEY OF ROUTING USING DHTS OVER WIRELESS SENSOR NETWORKS

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TÓM TẮT:

In recent years, wireless sensor networks (WSNs) has gained a lot of attention in both research and application fields. A fundamental goal of researches in WSNs is to reduce the communication operations and prolong the total lifetime of sensor networks. Therefore, researchers are focusing on optimal routing techniques which are one of the main factors to reduce consumable energy of sensor and wireless sensor networks. Distributed Hash Tables (DHTs) over WSNs is a new routing paradigm promises several advantages over conventional routing protocols. This paper presents an overview of using DHTs in WSNs, especially routing techniques using DHTs over WSNs such as GHT, CSN, CHR, T-DHT, VRR and ScatterPastry. After that we compare with methods which used DHTs in WSNs with three main parameters such as Scalability, Energy-efficient, and Data storage/lookup efficiency