You are signed in as ts1486 | (3) WhatsApp | Search results - hodece@esec.ac | Dr. S. BHARATHIDASAN (0009-00 | Analysis of Various Routing Proto
https://www.ciitresearch.org/dl/index.php/wc/article/view/WC112012010

CiiT bringing the world locally
Wireless Communication

Open Access Subscription or Fee Access

Analysis of Various Routing Protocol in Wireless Sensor Networks

S. Bharathidasan, R. Padmavathy

Abstract

Wireless sensor networks have been identified as one of the most important technologies in the 21st century for various applications. Recent advances in wireless sensor networks have led to many new protocols specifically designed for sensor networks where energy awareness is an essential consideration. The proposed Secure, ANT and Energy Aware Geographic Routing Protocol (SEAGRP) for wireless sensor networks to extend the complete Security architecture and the life time of the network . A key feature in the design of Secured Ex-SMAC is its independence from the underlying wireless technology used by network nodes to form the backbone. Extensive simulations have been performed in large-scale network scenarios using NetworkSimulator-2 . The proposed protocol is an efficient and energy conservative routing technique for multi hop wireless sensor networks. The architecture considerably reducing energy consumption for the network by selecting highest minimum energy route for data transmission, with a negligible impact on the network.

Keywords

Energy Efficiency, Network Lifetime, Wireless Sensor Networks, Group of cluster heads (GCH), Energy efficient routing Ex-SMAC, EAGRP.

Full Text:

PDF

References

W.Ye, J.Heidemann, D.Estrin, An energy effcient MAC protocol for wireless sensor networks, in : Proceedings of the International Annual Joint Conference of the IEEE computer and Communications societies, 2002

K. Kar, M. Kodialam, T. V. Lakshman, and L. Tassiulas, "Routing for network capacity maximization in energy-constrained ad-hoc networks," in IEEE INFOCOM, Sanfrancisco, March 2003.

C. Savarese, J. Rabaey, and K. Langendoen, "Robust positioning algorithms for distributed ad-hoc wireless sensor

Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specification.IEEE Std. 802.1 1; 1997.

B. Karp and H. Kung, "GPSR: Greedy perimeter stateless routing for wireless networks," in the Proceedings of the 6th Annual ACM/IEEE International Conference on Mobile

Activate Windows
Go to Settings to activate Windows.

Type here to search
Nifty midcap -0.66%
ENG
13:29
20-05-2025