Abstract

The congestion in the sensor networks leads to the poor delivery of the data. This causes the
heavy loss of data in the sensor network. In order to alleviate this problem, a combination of two algorithms is used in this paper. The algorithms are Active Congestion-less Routing (ACR) and Medium Access Control Enhanced Active Congestion-less Routing (MACR). Both these algorithms used a differentiated routing for High Precedence data and Low precedence data. ACR lessen the congestion by routing only the high precedence data, where as the MACR lessen the congestion in mobile network by routing High precedence data as well as Less precedence data. These algorithms perform this by the nodes in the network.

References

- Draft Supplement to Part 11: “Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Medium Access Control (MAC) Enhancements for Quality of Service (QoS)”, IEEE 802.11e/ D4.0.

Index Terms

Computer Science

Wireless Information

Keywords
| Sensor networks | congestion control | High precedence | Active Congestion-less Routing | Medium Access | Enhanced Active Congestion-less Routing |