Abstract

Congestion occurs when too many sources are sending too much of data for network to handle. Congestion in a wireless sensor network can cause missing packets, low energy efficiency and long delay. A sensor node may have multiple sensors like light, temperature etc., with different transmission characteristics. Each application has different characteristics and requirements in terms of transmission rate, bandwidth, delay, and packet loss. Different types of data generated in heterogeneous wireless sensor networks have different priorities. In multi path wireless sensor networks, the data flow is forwarded in multiple paths to the sink node. It is very important to achieve weighted fairness for many WSN applications. In this paper we propose a survey of congestion control mechanism in wireless sensor network. Also describe various congestion control protocol with their benefits and limitation.


Index Terms
Computer Science Wireless Networks

Keywords
Congestion control Heterogeneous Traffic Multi Path priority