

عنوان مقاله:

Resource control schemes in wireless sensor networks

محل انتشار:

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خلاصه مقاله:

Wireless Sensor Networks (WSNs) are a specific category of wireless ad-hoc networks where their performance is highly affected by application, life time, storage capacity, processing power, topology changes, the communication medium and bandwidth. Congestion is an important issue in WSNs. Congestion renders loss rate rise, channel quality degradation, unfair traffic flow, increased delay and wasted energy. It also affects throughput, number of retransmissions, network life time and link utilization. So, it is necessary to mitigate congestion in WSNs. Due to the dominant role of WSNs, more efficient congestion control algorithms are needed. In this paper, a comprehensive review of resource control schemes in WSNs is presented. Also, different performance metrics are used to compare resource control schemes.

کلمات کلیدی:

wireless sensor networks (WSNs), congestion control, congestion detection, congestion notification, resource control schemes.

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