عنوان مقاله:

Proposing an intelligent QoS-Based routing protocol for Wireless Sensor Networks

محل انتشار:

همایش مشترک مهندسی کامپیوتر و مکانیک (سال: 1392)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Arash Khadem - *Islamic Azad University Tabriz Branch*

Ali Ghaffari - *Islamic Azad University Tabriz Branch*

خلاصه مقاله:

In this paper, a new routing algorithm is proposed with improved quality of service that provides a multi path way to send packages. The criteria that the proposed method is used for the chose route is the number of packets received at the destination, the number of sensors and energy of sensors nodes in path. Then the proposed method is simulated and compared with existing methods. Performance evaluation shows that the proposed method increase the reliability 11 percent in comparison with existing methods. Also, the network energy consumption reduced by 15 percent. For information on influence of any of the parameters involved in the selection of a suitable path, the simulation were performed for different coefficients of parameters. Performance evaluation showed that the ratio of packets received at the destination and the residual energy of sensors have greater influence in choosing the right path and thereby increase the reliability and reduce the network's energy consumption.

کلمات کلیدی:

Routing; Intelligent; Quality of services; Wireless sensor network;

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https://civilica.com/doc/239640