عنوان مقاله:

Overview of routing algorithms in WBAN

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خلاصه مقاله:

The development of wireless computer networks and advances in the fabrication of integrated electronic circuits is one of the key elements in making miniature sensors,Makes it possible to use the wireless sensor networks for environmental monitoring in and around the bodies of animals. This precinct of researches is called the wirelessresearch around the body or WBAN and IEEE Institute has assigned two standards to this matter being LEEE.802.15.6and IEEE.802.15.4. WBAN aim to facilitate, accelerate and improve the accuracy and reliability of medical care andBecause of its wide range of challenges, many studies have been devoted to this precinct. according to IEEE.802.15.6 , the topology in WBAN is in star form and one step and twostep communications are supported but Due to changes in body position and the different states of the human thatbody takes (for example walking , running , sitting and …) connecting nodes in one or two step mode via sync or PDA is not always possible . The possibility of using multi-stepcommunication and in result the existence of multiple ways between Source and destination brings up this question thatin which way and by which adjoining the transmitter sends the data to the receiver. So far, many routing algorithms have been proposed to address this question in this article we are going to evaluate them.

کلمات کلیدی:
Routing Algorithms, WBAN

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