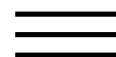


A type of healthcare system based on intelligent wireless sensor networks.

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Abstract

A healthcare system based on wireless sensor networks (WSNs) is proposed to improve the quality of medical care in hospital or even at home. Structures of the wearable healthcare node, wireless multimedia node as well as the gateway in this system are described in detail. Moreover, a type of localization method for patients and an energy-efficient transmission strategy are put forward as well. Experimental results show that this system performs well on data transmission and information processing.



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Keywords

healthcare system; wireless sensor networks; middleware; multimedia node; gateway

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