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Energy Conservation Based on Destination-Sequenced Distance-Vector Protocol in Intelligent Internet of Things

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Abstract:

The Intelligent Internet of Things (IoT) caught a significant attention in research area and plays a major role in the advancement of technologies to expand the connectivity of electronics devices. Recent studies expected that in 2020 there will be more than 50 million devices connected to IoT. Any technology expansion will always encounter several issues in matters of the driven techniques and energy consumption. One of the performance enhancement techniques for internet of things is power saving. In this paper, a new power saving method is presented to reduce devices power consumption in IoT. The system proposed can save energy by putting node or device into sleep mode depending on the trace file extracted of the network, this can be considered as a new intelligent feature. Our approach proved that a significant enhancement can be done to the node performance in IoT.

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