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AN EFFICIENT OPTIMIZATION METHOD BASE ON PSO FOR ENERGY CONSUMPTION IN WIRELESS SENSOR NETWORKS

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ABSTRACT

Developments in wireless communications and electronics have made designing low-cost sensor networks possible. The sensor networks have many application areas such as health, military, home, agriculture, environmental. Because each sensor has to be low-cost, they have very limited battery and a lifetime of the network depends heavily on saving energy. One way of saving energy is by designing appropriate routing protocols. In this paper, energy consumption methods in the wireless sensor network are researched and a method proposed for saving the energy of the sensors and consumption energy in the network based on particle swarm intelligent optimization algorithm.

KEYWORDS: Necessity of Extension of Life, Wireless Sensor Networks, Media Based on the Information

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