Energy management in wsn

Overview

Therefore, to overcome the energy depletion in sensor nodes, it is important to study the energy management issue in WSN. In this chapter, the significance of energy management issue is discussed first, and then the possible energy management strategies for WSN are presented and illustrated. sumption and maximize the life time of the network. The development of communication techniques from single hop to multi ho and then the use of. To overcome this issue, this paper proposes an Optimized Explicit Feature Interaction-Aware Graph Neural Network based Efficient Energy Management in Wireless Sensor Networks (OEFIA-GNN-EEM-WSN). We introduce an enhanced fuzzy spider monkey optimization technique and a hidden Markov model-based clustering algorithm for selecting cluster heads.

Energy management in wsn

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A look at how AI can be used to help support the clean energy transition by helping to manage power grid operations, plan infrastructure investments, guide the ...

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In this paper, we propose an improved clustering algorithm for wireless sensor networks (WSNs) that aims to increase network lifetime and efficiency. We introduce an enhanced fuzzy spider ...

[Maximizing energy efficiency in wireless sensor networks for data]

The study showcases the efficacy of utilizing advanced deep-learning methodologies and intelligent grouping strategies to improve the energy efficiency of wireless sensor networks during ...

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WSN based Energy Management System

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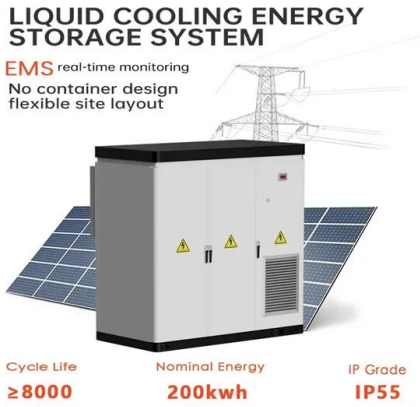

[Efficient energy management in wireless sensor networks based on]

Here, the challenges regarding energy consumption during routing of data transmission. To overcome this issue, this paper proposes an Optimized Explicit Feature Interaction-Aware Graph ...

[Making clean energy investments more successful]

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[Energy Management Techniques in WSN: A Brief Review]

techniques in wireless sensor network is presented. The main aim of energy management technique is to collect and aggregate data in an effective manner, so that life time is enhanced. The pos

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