

Research on energy-saving solutions in WSN

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Abstract: In the context of increasingly scarce energy resources and growing environmental protection requirements, this topic focuses on researching and developing energy-saving solutions in WSN (Wireless Sensor Network). The objective of the research is to build a system that optimizes power usage through the application of a reasonable distribution algorithm for sensor devices. The approach combines theoretical research and experimentation to ensure effectiveness and feasibility in practice. The expected results will contribute significantly to improving WSN performance and promoting sustainable energy progress.

Keywords: Energy saving, WSN, Distributed algorithm, Sensor device, Environmental protection