Node placement is an important task in wireless sensor network. Node placement in wireless sensor network is a multi-objective combinatorial problem. A multi-objective evolutionary algorithm based framework has been proposed in this paper. Design parameters such as network density, connectivity and energy consumption have been taken into account for developing the framework. The framework optimizes the operational modes of the sensor nodes along with clustering schemes and transmission signal strengths.

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Index Terms

Computer Science

Wireless Networks

Key words

Network Configuration

Sensor Placement

Wireless Sensor Networks