Abstract

Focus of this study is the sensor coverage problem which is a crucial issue, where a high coverage rate will ensure a high quality of service (QoS) of the Wireless Sensor Network (WSN). The coverage strategies are categorized into three groups based on the approaches used, namely; force based, grid based or computational geometry based. PSO is a popular multidimensional optimization technique. The objective of this paper is to present a state of the art survey on these strategies used to optimize sensor coverage using Particle Swarm Optimization (PSO).
References


Index Terms

Computer Science

Wireless
Coverage Optimization Techniques in WSN using PSO: A Survey

Keywords
Wireless Sensor Network (wsn)  Particle Swarm Optimization (pso)  Coverage  Force Based Approach

Grid Based Approach

Computational Geometry Based Approach.