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).
Covering Optimization Techniques in WSN using PSO: A Survey

References


Index Terms

Computer Science Wireless
Keywords

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

Grid Based Approach

Computational Geometry Based Approach.