## عنوان مقاله:

Design and evaluation of two distributed methods for sensors placement in Wireless Sensor Networks

## محل انتشار:

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## خلاصه مقاله:

Adequate coverage is one of the main problems for distributed wireless sensornetworks and The effectiveness of that highly depends on the sensor deploymentscheme. Given a finite number of sensors, optimizing the sensor deployment willprovide sufficient sensor coverage and save power of sensors for movement to targetlocation to adequate coverage. In this paper, we apply fuzzy logic system to optimizethe sensor placement after an initial random deployment. Based on Voronoidiagrams and Fuzzy logic, we design two distributed algorithms for controlling .themovement of sensors. Simulation results show that our approaches maximiz thesensor coverage

## کلمات کلیدی:

wireless sensor network (WSN), placement, robotic