Abstract

This research work defines the concept of Sensor network that is consist on smallest nodes that performed some process, collect information of sensing, with calculation, and wireless communications competencies. This concept was taken from micro electro-mechanical systems technology. It consist on standard, application, energy, and techniques. Sensor network routing protocol are design according to the network and architecture. Sensor network needs application domain specialists, hardware inventers, and software designers to present effective systems. By applying sensor network characteristic like, fault tolerance, flexibility, high sensing reliability, less budget, that can generate new application areas for remote sensing devices. Sensor network constraint are need to be analyze so that it can satisfy the knowledge about sensor network these contraint followed by error acceptance, cost, hardware, topologies, and power consumption. It's also very helpful in security, and energy. This research paper shows the overview of the sensor network and its, application with their issues and challenges.
8. Z. Ke, L. Yang, X. Wang, and S. Heejong," The application of a wireless sensor network design based on ZigBee in petrochemical industry field," in 1st International Conference on Intelligent Networks and Intelligent Systems, pp. 284-287.

Index Terms
Keywords