Abstract

Wireless Sensor Network (WSN) plays a significant role in wireless communication. Event-Driven Wireless Sensor Networks (EWSNs) are special cases of WSN in which numerous nodes are placed in such a way that nodes start generating and propagating data packets when an event of interest occurs. For event monitoring in EWSNs, we have to solve two problems, one is the accurate event detection, the other is the reliable and fast transmission. Design of a protocol for this purpose should be such that it should identify the event occurrence and providing emergency routing based on the detected event should be done as fast as possible. Fast, Reliable and Efficient event-Detecting (FREED) protocol fits well in this situation. To evaluate the performance of the freed protocol with the existing system, Network simulator (NS-2) is used.


Index Terms

Computer Science

Wireless

Keywords