Abstract

Wireless sensor Networks (WSN) require secure aggregated routing of sensor data transmitted from source node to the sink node for most of its applications. Several existing routing protocols are explained in this paper with aggregation for WSN's are explored. The main objective of this paper provides the importance of secure aggregated routing algorithms for WSN to collect process and aggregate the data from sensors in an energetic conservative manner. Hence the network performance is enhanced. This paper scrutinizes the relationship between aggregation, routing and security issues in WSN. This survey covers a wide range of key issues in routing protocols based on its own evaluation metrics such as throughput, Packet delivery ratio, network lifetime, energy conservation, complexity, scalability and efficiency. In this work, the routing protocols, and its associated parameters are discussed along with the parameters based on the literature survey open research problem and further research directions in the future related to aggregate routing in WSN are discussed.
- Hongjuan Li, Kai Lin, Keqiu Li, &quot;Energy-efficient and high-accuracy secure data aggregation in wireless sensor networks,&quot;, Computer Communications 34, 2011, 591–597.

Index Terms

Computer Science

Wireless

Keywords

WSN  LEACH  Aggregation.