Abstract

Wireless sensor networks are composed of a large number of sensors and their major challenge is energy consumption in order to prolong the life time of the network. From the security point of view, detecting schemes must be very light to increase the life time of the network. In this paper, defensive mechanisms based on cumulative acknowledgement and energy based is proposed to detect selective forward attack in mobile wireless sensor networks. The proposed mechanism is simulated with Berkeley Mica 2 Motes configuration in Network Simulator Version 2 and Glomosim. The scheme is evaluated in terms of packet delivery ratio and throughput.

References

- C. Karlof and D. Wagner, “Secure Routing in Wireless Sensor Networks: Attacks and


Index Terms

Computer Science

Network Security
Keywords
Wireless Sensor Network  Routing Attack  Selective Forward Attack
Acknowledgement based
Energy Based
Wireless Sensor