Abstract

Security related issues are of serious concern in MANET. Lack of central administration and shared wireless medium makes MANET more vulnerable to security threats. An intruder passes an intermediate node into the MANET and introduces several kinds of attacks on the data transfer occurring between nodes. In this paper we consider Black hole attack in mobile ad hoc network, where all data packets are absorbed by the malicious nodes. A mechanism based on Artificial Neural Network (ANN) to detect the network under Black hole attack employing AODV routing protocol has been designed.
ANN to Detect Network under Black Hole Attack

References

- Magnus Frodigh, Per Johansson and Peter Larsson, "Wireless ad hoc networking the art of networking without a network&", Ericsson Review, No. 4

Index Terms

Computer Science
Network
**Keywords**

Ad Hoc Network  Black Hole Attack  Artificial Neural Network