Abstract

Security has become one of the major problems that wireless ad-hoc networks face today. With considering limited energy resources and specific attack detection, this paper focus on wireless node behavior based anomaly intrusion detection system and deals only with MAC features and network features behavior of wireless node. This paper also introduces two types of feature set and behavioral indices. The detection uses threshold technique for behavioral indices. The performance has been evaluated for MAC and network layer feature set of wireless nodes.
Efficient Approaches for Improving the Performance Metrics of Wireless Intrusion System

- Wei Wang, Xiaohong Guan and Xiangliang Zhang (2008), Processing of Massive...

Index Terms
Computer Science  Security

Keywords
Anomaly intrusion detection  genetic algorithm  MAC layer and Network layer