To provide internet connectivity in the areas where it is difficult to lay down Ethernet cables, wireless mesh technology emerges as a promising technology. Wireless mesh networks make use of two different radios; one radio is used to provide internet access to the stations and another radio is used to provide wireless connectivity among mesh points for data forwarding.
Detecting MAC Misbehavior Switching Attacks in Wireless Mesh Networks

The radio which is used by stations to connect with the MAPs is vulnerable to many greedy MAC misbehaviors. To detect greedy MAC misbehavior many IDS have been designed and implemented for traditional Wireless LANs and MANETs. However our approach is a novel approach as the IDS is implemented on MP thus increasing its detection range. Moreover, this IDS is designed to detect hybrid attacks as well as fast switching attacks which otherwise are quite difficult to detect.

Reference


Index Terms

Computer Science

Wireless
Key words

Wireless Mesh Network
Intrusion detection system
Single layer
Smart Attacks