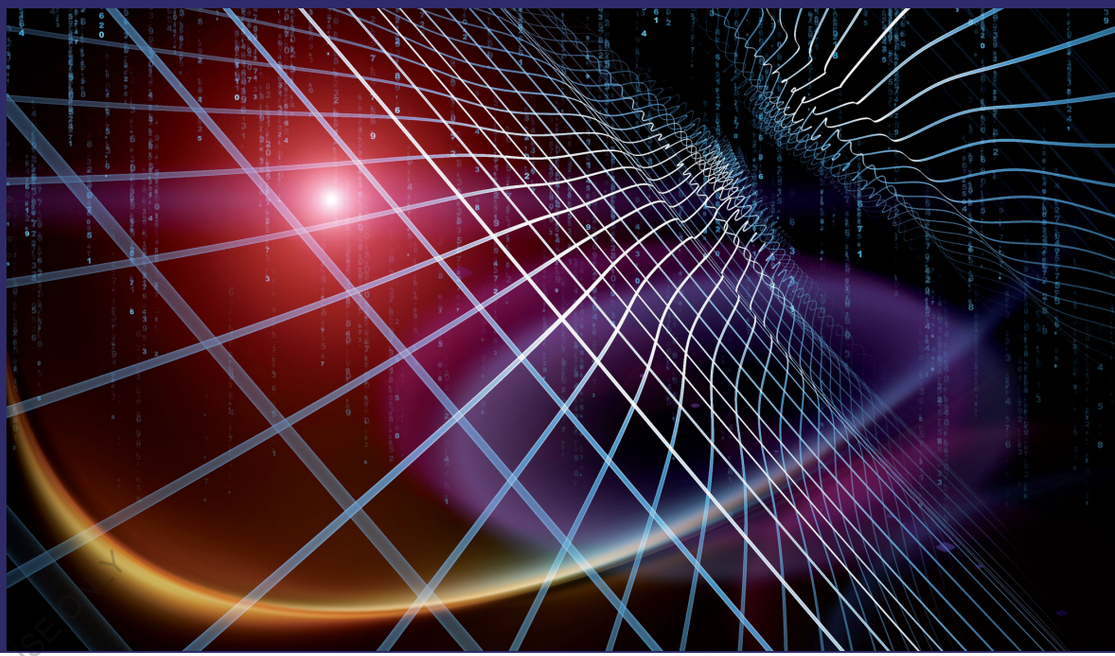
Security is one of the most important problems that have attracted a lot of research and development efforts in the past few years. In multi-hop wireless, ad-hoc network path error and malicious packet dropping are two major resources for packet losses. The packet losses are caused by connection errors and malicious drop are to be recognized by observing a sequence of packet losses in the network. The insider-attack case malicious nodes that are part of the route exploit their knowledge of the communication in the network. The malicious node drops a large amount of packet losses critical to the network performance. The research study observing the dynamic packet dropping rates in the wireless network. The rate is comparable to the control error rates that are based on distributed manner. The proposed research work presents a new approach to measure the dynamic privacy preserving in wireless networks using the methodologies namely, Network Model, Network Routing Model, Privacy Preserving Link State Routing Protocol and Dynamic Non-linear authentificator Protocol algorithm (DNAP). The Path Detection (PD) protocol used to find the alternate path to transfer a message to destination.



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978-620-0-27827-2

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LAP LAMBERT Academic Publishing

Imprint

Cover image: www.ingimage.com

Publisher:
LAP LAMBERT Academic Publishing
is a trademark of
International Book Market Service Ltd., member of OmniScriptum Publishing Group
17 Meldrum Street, Beau Bassin 71504, Mauritius

Printed at: see last page
ISBN: 978-620-0-27827-2

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Chapter - 01

Network: An Introduction

A network is defined as a group of two or more nodes or computer systems linked together to the share the information with each other.

Cluster Network

A computer **cluster** is a set of loosely or tightly connected computers that work together and they can be viewed as a single system.

Types of Network

There are several different types of computer networks. Computer networks can be characterized by their size as well as their purpose.

Some of the different networks based on size are: