In this paper objective is to prevent possible types of routing attacks are wormhole and rushing attack on location- based geocasting and forwarding (LGF) routing protocol in Mobile Ad-hoc Network (MANET). The LGF protocol has proposed to the implemented in real MANET test bed that integration by Global Positioning System (GPS)-free covered location tracking system with Geocast-enhanced Ad-hoc On-Demand Distance Vector (GAODV). In addition wormhole and rushing attack will be generating the prevention techniques in LGF protocol and also find the impact of attacks to overcome the potential solutions. Simulation of LGF protocol and attacks has been work done by GloMoSim-2.03 network simulator.
Reference

- Jorge Nuevo, “A Comprehensible Glomosim Tutorial”, INRS.
- Saman Desilva, Rajendra V. Boppana, “Mitigating Malicious Control Packet Floods in Ad Hoc Networks”, IEEE Communications Society/WCNC 2005

Index Terms

Computer Science          Wireless
Key words

Wormhole attack
Rushing attack
LGF

Geocast-enhanced (GAODV)

Mobile Ad-hoc Network (MANET)

IN-Intermediate Node

Source S

Destination D