Abstract

This paper intends to improve the performance of MANETS – Mobile Ad-hoc networks handling high volume traffic by introducing an enhanced tree based multicast routing protocol with efficient management of topology and groups with an improvised label mechanism capable of building alternate paths and secure better transmission stability. A comparative analysis of the simulation results have shown that the proposed protocol is better performing than the existing multicast routing protocols with slightly higher control overhead.

References

Multicast Routing, Internet draft, work in progress.
- Guokai Zeng, Bo Wang, Yong Ding, Li Xiao Matt W. Mutka, 2010. Efficient Multicast Algorithms for Multichannel Wireless Mesh Networks, IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS.

Index Terms

Computer Science
Networks
Keywords
Multicast  Routing Protocol  Topology.