Abstract

The multicast describes the distribution of structures from just one single node to number of destinations. These real-time services have a stringent necessity of QoS factors like bandwidth, delay, jitter etc. to ensure clean, consistent, and fair sign to the receivers. In this paper, in the proposed technique the issue of multi-cast tree has been removed using clustering based technique. First of all multi-radio and multichannel based cluster has been deployed and these cluster head are responsible for the multicasting which decrease the overall energy consumption of nodes and complexity of intelligent algorithms. The path has been evaluated based upon the ant colony optimization. Thus it improves the overall performance of the QoS parameters of Ad-hoc networks.

References

- Tsou, Po-Chun, Jian-Ming Chang, Yi-Hsuan Lin, Han-Chieh Chao, and Jiann-Liang
Chen. "Developing a BDSR scheme to avoid black hole attack based on proactive and reactive architecture in MANETs." In Advanced Communication Technology (ICACT), 2011 13th International Conference on, pp. 755-760. IEEE, 2011.


**Index Terms**

Computer Science  
Networks

**Keywords**

MANETs  QoS  Jitter  ACO  PSO