Abstract

Mobile Adhoc network are wireless adhoc networks and are considered as a popular concept in mobile wireless commutation and it is continuously self-configuring and is independent of any infrastructure. Location based point to point adaptive routing (LPAR) is prevalent for use in the mobile adhoc networks. The protocol which is employed here takes the help of a three state route discovery technique. This process is done in a point to point manner for optimized performance which includes the reduction of the reduction of the routing overhead along with the maximization of throughput when considering medium as well as large mobile adhoc networks. This paper has undertaken an in-depth study of the available methods of mobile adhoc network routing and proposes a unique technique for Incorporation of LPAR Routing Framework with Conventional Routing networks In ODMRP. Here, the said technique is implemented using the Cross-Layered Ant Colony Optimization Multicast Routing Protocol which is discussed in detail in the preceding sections. The study undertakes simulation in the MATLAB software package for the same with the help of mobile networks and the results have been discussed from the simulation so performed.
References


Index Terms

Computer Science Wireless

Keywords

MANET, ODMRP, LPAR, CLSODMRP, CLAMR, Ant Colony Optimization.