Applying QoS in MANET using Stigmergy of Ants

Volume 85 - Number 8

Year of Publication: 2014

Abstract

As current research is focusing on implementation of MANET for various commercial applications. But providing quality of service in Mobile Ad Hoc Networks is not an easy task due to the resource limitations and dynamic nature of MANETs. This paper presents a proposal for maintaining quality of service parameter for communication in MANET. This proposal is mainly inspired by the concept of swarm intelligence exhibited by group of ants when they search for food. Diffserv like service classes can be made available through this proposed approach. The approach has inherited advantage of robustness and fast convergence from swarm intelligent system, which makes it a better choice over existing QoS algorithms for MANET.

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**Index Terms**

Computer Science Communications

**Keywords**

Swarm intelligence Ant colony optimization Mobile Ad Hoc networks Quality of Service