Abstract

Networks have changed our life style drastically in last 10 years. We always want to stay connected to an external network like Internet or Intranet with the help of wireless communication. A lot of research has been in done this field to explore the best and the optimum protocols which can be used in Mobile Ad-hoc networks (MANETS), Wireless Sensor Networks (WSN) and Wireless Mesh Networks (WMN). Many routing algorithms have been proposed by the researchers in the recent years but the key challenges in these algorithms are: how to identify the optimal route for data communication, how to utilize the energy efficiently, how to provide congestion free communication, how to obtain scalability and how to maintain the Quality of Service of the overall network. To overcome these challenges many techniques have been proposed but one of the most recent and widely adopted technique is swarm
Intelligence (SI) Swarm Intelligence has become a research focus in recent years due to their self-organizing nature, which is very suitable to the overcome the routing challenges and problems in Mobile Ad hoc Networks (MANETS). In this paper, we focus on routing algorithms based on Ant Colony Optimization (ACO) & Bee Colony Optimization (BCO) for MANETS that have been designed according to the principles of swarm intelligence.

References

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A Review on ACO based and BCO based Routing Protocols in Manets


Index Terms

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Keywords

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