Adaptive Routing Protocol for Mobile Ad-hoc Networks

Description
The project aims to develop a routing protocol which adapts to the change of mobile ad-hoc networks, improves the network performance by applying the Artificial Intelligence integrated to the protocol to make it more intelligent when routing.

Main original contributions
The main original contribution is applying the feedback mechanism to help the Neuro-Fuzzy System or Dynamic Bayesian Networks to control the routing protocol when routing the packet

Main goals
The goal is to improve the network performance in terms of throughput and end-to-end delay. Moreover, it also helps to manage the broadcast area efficiently.

System model