

Paper 1-LOCATION INFORMATION SHARING USING FANET BASED ON PSO AND GA

PAPER ID:IJIM/V.2(VIII)/1-8/1

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ABSTRACT:Flying Ad-Hoc Networks (FANETs) are formed which is basically an ad hoc network for UAVs. This is relatively a new technology in network family where requirements vary largely from traditional networking model, such as Mobile Ad-hoc Networks and Vehicular Ad-hoc Networks. In this dissertation, Flying Ad-Hoc Networks are surveyed along with its challenges compared to traditional ad hoc networks. The routing protocols are also described. In this paper proposed work is discussed briefly through firefly algorithm with PSO. Firefly algorithm is a Meta-heuristic algorithm inspired by flashing behavior of fireflies. PSO is population based optimization technique inspired by social behavior of bird flocking or fish schooling.. The objectives of firefly algorithm include localization of other nodes where each node using proposed algorithm for conflict free flight.

KEYWORDS:FANET, UAV, MAC, PSO

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