

THE ROUTING PROTOCOLS OF UNMANNED AERIAL VEHICLES IN FLYING ADHOC NETWORKS: A COMPLETE SURVEY

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ABSTRACT

In Adhoc network, absence of Centralized infra structure is a peculiar characteristics. The nodes in Adhoc can both acts as router and host. The topology of adhoc networks is said and meant to be more unpredictable. The most challenging issues starts from the design of routing protocol for this complex and rapid changing topology. A lot of researchers have gone through varieties of studies on these routing protocols. Actually a very good understanding of performance and characteristics of routing protocol will support the deployment of appropriate protocol for the networks based on the scenario and it extends to a better optimization. In most of the previous work complete reviews on all the suitable and available routing protocols were not done. In this paper a detailed description on all the possible routing protocols of MANET, VANET and FANET is done and this will really support to conduct a comprehension analysis on the performance of all suitable routing protocols based on its network and topology scenarios.

KEYWORDS: UAV; Drones; FANET; Routing Protocols

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