



# International Journal on Recent Researches In Science, Engineering & Technology

(Division of Computer Science and Engineering)

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Research Paper

Available online at: [www.jrrset.com](http://www.jrrset.com)

Chief Editor : Dr. M.Narayana Rao, Ph.D., Rtd. Professor, NIT, Trichy.

ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

Volume 3, Issue 2,  
February 2015.

JIR IF : 2.54

DIIF IF : 1.46

SJIF IF : 1.329

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## AN EFFICIENT ROUTING PROTOCOL IN MANET

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**Abstract** - Ad-Hoc wireless networks are self-organizing multi-hop wireless networks, where all the nodes take part in the process of forwarding packets. Ad-Hoc networks do not require any fixed infrastructure, such as base stations or routers and they are highly applicable in many fields. The function of a routing protocol in Ad-Hoc network is to establish routes between different nodes. The final goal of using Ad-hoc networks is to provide data access to mobile nodes. One of the most attractive techniques used to improve the data access performance in MANET environment is cooperative caching and it is addressed into two basic issues: cache discovery and cache management, in other words, how to find requested data efficiently and how to manage an individual cache to improve the overall capacity of a cooperated cache. In this paper we have made a review of the existing cache discovery algorithms to address four stages after application request and before server response, using an historical file to record the previous data requests, and proposed cluster architecture with data cluster head election to store efficient information for future use and reducing the cost of flooding.