

## عنوان مقاله:

A high reliability with hierarchical routing protocol in mobile ad hoc networks

## محل انتشار:

اولین کنفرانس بین المللی دستاوردهای نوین پژوهشی در مهندسی برق و کامپیوتر (سال: 1395)

تعداد صفحات اصل مقاله: 4

## نویسندگان:

Behzad Mahdavi Parchin - *Department of Computer, Ardabil Branch, Islamic Azad University, Ardabil, Iran*

Bahram Najafpour - *Department of Computer, Novin Institute of Higher Education, Ardabil, Iran*

Vahab Ashrafian - *Department of Computer, Ardabil Branch, Islamic Azad University, Ardabil, Iran*

Javad Sedaghat - *Department of Mechanic, Tabriz Branch, Islamic Azad University, Tabriz, Iran*

## خلاصه مقاله:

The existence of a reliable routing is one of key and significant challenges in mobile ad hoc networks. In this paper, a hierarchical routing protocol (HRP) is presented which is made of hybrid architecture combining reactive and proactive protocols. The objective of the proposed protocol is to reduce the end to end delay and routing overhead. The presented protocol provides a hierarchical routing protocol using clustering mechanism and considering the CBRP protocol. For reduction of delay, gateway nodes have a routing table as cluster heads. In evaluation of performance .simulation results, it is shown that the proposed protocol has better efficiency than DSR and AODV routing protocols

## کلمات کلیدی:

Mobile ad hoc networks, routing, proactive, delay

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/497405>

