

[IEEE.org](#) | [IEEE Xplore Digital Library](#) | [IEEE Standards](#) | [IEEE Spectrum](#) | [More Sites](#)

For Institutional Users:  
[Institutional Sign In](#)  
Athens/Shibboleth

[Browse Conference Publications](#) > Application of Information an ...

## HWMP path selection protocol based on learning automata for Wireless Mesh Networks

**This paper appears in:**

Application of Information and Communication Technologies (AICT), 2011 5th International Conference on

Date of Conference: 12-14 Oct. 2011

Author(s): Ghanbari, P.

Dept. of Electr., Islamic Azad Univ., Qazvin, Iran  
Khoshtinat, A. ; Meybodi, M.R.

Page(s): 1 - 6

Product Type: Conference Publications

Available Formats	Non-Member Price	Member Price
<input checked="" type="checkbox"/> PDF	US\$31.00	US\$10.00



Learn how you can qualify for the best price for this item!

[ADD TO CART](#)**ABSTRACT**

Draft of Local Wireless Mesh Networks Standard (IEEE 802.11s) has specified HWMP Protocol as the default route selection protocol in data link layer and this protocol may select the route in two reactive and proactive modes. In this paper, LAHWMP protocol which uses learning automata to find suitable routes for sending data in the reactive mode has been proposed. This protocol using NS2 simulator is simulated and the obtained results are compared with reactive and proactive modes of HWMP protocol. These results show that the proposed protocol increases network's overall performance compared to other protocols.

**INDEX TERMS**

Index Terms are available to subscribers and IEEE members.

[Additional Details](#)[References \(11\)](#)

On page(s): 1

Conference Location : Baku

Print ISBN: 978-1-61284-831-0

INSPEC Accession Number: 12460352

Digital Object Identifier : 10.1109/ICAICT.2011.6110992

Date of Current Version : 22 December 2011

Issue Date : 12-14 Oct. 2011

[Sign In](#) | [Create Account](#)

This document was created with Win2PDF available at <http://www.daneprairie.com>.  
The unregistered version of Win2PDF is for evaluation or non-commercial use only.