## International Journal of Wireless Networks and Broadband Technologies

July-September 2015, Vol. 4, No. 3

## **Table of Contents**

## RESEARCH ARTICLES

1 Information Theoretic Approach with Reduced Paging Cost in Wireless Networks for Remote Healthcare Systems

Rajeev Agrawal, G L Bajaj Institute of Technology and Management, Greater Noida, India Amit Sehgal, G L Bajaj Institute of Technology and Management, Greater Noida, India

14 Distributed Computation in Wireless Sensor Networks: Efficient Network Architectures and Applications in WSNs

Tejaswini Devanaboyina, International Institute of Information Technology, Hyderabad, India Balakrishna Pillalamarri, International Institute of Information Technology, Hyderabad, India Rama Murthy Garimella, International Institute of Information Technology, Hyderabad, India

33 Adaptive Aperture Aided Antenna Design for SISO-MIMO Systems using Fuzzy C-Mean Clustering Parismita A Kashyap, Assam Don Bosco University, Guwahati, India Kandarpa Kumar Sarma, Gauhati University, Guwahati, India

48 A Signal Adaptation Mechanism for Power Optimization of Wireless Adapters

Christos Bouras, Computer Technology Institute and Press "Diophantus", Patras, Greece & Computer Engineering and Informatics Department, University of Patras, Patras, Greece

Vaggelis Kapoulas, Computer Technology Institute and Press "Diophantus", Patras, Greece & University of Patras, Patras, Greece

Georgios Kioumourtzis, Center for Security Studies, Athens, Greece

Kostas Stamos, TEI of Western Greece, Patras, Greece

Nikos Stahopoulos, Computer Engineering and Informatics Department, University of Patras, Patras, Greece Nikos Tavoularis, Computer Engineering and Informatics Department, University of Patras, Patras, Greece

## Copyright

The International Journal of Wireless Networks and Broadband Technologies (IJWNBT) (ISSN 2155-6261; eISSN 2155-627X), Copyright © 2015 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Wireless Networks and Broadband Technologies is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory