

INTERNATIONAL JOURNAL OF BUSINESS DATA COMMUNICATIONS AND NETWORKING

October-December 2012, Vol. 8, No. 4

Table of Contents

SPECIAL ISSUE ON ADVANCES IN QoS SUPPORT IN COMMUNICATION NETWORKS

EDITORIAL PREFACE

- i *Debashis Saha, Indian Institute of Management Calcutta, India*
Varadharajan Sridhar, Sasken Communication Technologies, India

GUEST EDITORIAL

- iii *Tarek Bejaoui, Faculty of Sciences of Bizerta & Mediatron Lab - Sup'Com., University of Carthage, Jarzouna Bizerte, Tunisia*
Nidal Nasser, Department of Electrical and Software Engineering, Alfaisal University, Riyadh, Saudi Arabia
Abdallah Shami, Department of Electrical and Computer Engineering, The University of Western Ontario, London, ON, Canada

RESEARCH ARTICLES

- 1 **NDA SNR and CRLB Estimation over MISO with STBC Channels**
Ahmed M. Almradi, Azzaytuna University, Tarhona, Libya
Sohail A. Dianat, Rochester Institute of Technology, Rochester, USA
- 17 **Enhanced Relay Selection and Scheduling for Better Load Balancing in Multi-Hop Networks**
Soumaya Hamouda, MEDIATRON Lab, University of Carthage, Carthage, Tunis, Tunisia
Tarek Bejaoui, MEDIATRON Lab, University of Carthage, Carthage, Tunis, Tunisia
- 32 **Towards an Efficient Network Selection Technique Based on Differentiated Weight of Access Interface**
Mohamed Lahby, Faculty of Science and Technology, Mohammedia University-Casablanca, Casablanca, Morocco
Leghris Cherkaoui, Faculty of Science and Technology, Mohammedia University-Casablanca, Casablanca, Morocco
Abdellah Adib, Faculty of Science and Technology, Mohammedia University-Casablanca, Casablanca, Morocco
- 49 **Voice Traffic Service Guarantee in Wireless Mesh Networks Based on IEEE 802.11e**
Livia F. Gerk, Universidade Federal Fluminense, Niterói, Rio de Janeiro, Brazil
Débora C. Muchaluat-Saade, Institute of Computing, Department of Computer Science, Universidade Federal Fluminense, Niterói, Rio de Janeiro, Brazil
- 67 **Applying ADD Model to Enhance Quality of SOA Applications**
Hamid Mcheick, Department of Computer Science and Mathematics, University of Quebec at Chicoutimi, Chicoutimi, QC, Canada
- 84 **MAC for Physical-Layer Network Coding in VANETs**
Eugène David Ngangue Ndih, Department of Electrical and Computer Engineering, Université de Sherbrooke, Sherbrooke, QC, Canada
Soumaya Cherkaoui, Department of Electrical and Computer Engineering, Université de Sherbrooke, Sherbrooke, QC, Canada

Copyright

The *International Journal of Business Data Communications and Networking* (ISSN 1548-0631; eISSN 1548-064X). Copyright © 2012 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.

IJBDCN is listed or indexed in the following: ACM Digital Library; Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; DEST Register of Refereed Journals; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; JournalTOCs; MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory