

# International Journal of Business Data Communications and Networking

January-March 2014, Vol. 10, No. 1

## Table of Contents

### EDITORIAL PREFACE

iv Zoubir Mammeri, *IRIT, Paul Sabatier University, Toulouse, France*

### RESEARCH ARTICLES

- 1 **An Overview of Maritime Wireless Mesh Communication Technologies and Protocols**  
*Mohamed Manoufali, Khalifa University, Abu Dhabi, UAE*  
*Hamada Alshaer, Etisalat British Telecom Innovation Center (EBTIC), Khalifa University, Abu Dhabi, UAE*  
*Peng-Yong Kong, Khalifa University, Abu Dhabi, UAE*  
*Shihab Jimaa, Khalifa University, Abu Dhabi, UAE*
- 30 **Demand Curves and Operator Strategies in the Finnish Mobile Broadband Market**  
*Michail Katsigiannis, Department of Communications and Networking, Aalto University, Espoo, Finland*  
*Constantinos Valagiannopoulos, Department of Radio Science and Engineering, Aalto University, Espoo, Finland*
- 47 **A Framework to Measure and Estimate Video Quality in SVC Real-Time Adaptive Systems**  
*Alberto Álvarez, Informatics Department, University of Oviedo, Gijón, Spain*  
*Laura Pozueco, Informatics Department, University of Oviedo, Gijón, Spain*  
*Sergio Cabrero, Informatics Department, University of Oviedo, Gijón, Spain*  
*Xabiel G. Pañeda, Informatics Department, University of Oviedo, Gijón, Spain*  
*Roberto García, Informatics Department, University of Oviedo, Gijón, Spain*  
*David Melendi, Informatics Department, University of Oviedo, Gijón, Spain*  
*Gabriel Díaz, Electrical and Computing Department, Spanish University for Distance Education (U.N.E.D), Madrid, Spain*

### Copyright

The **International Journal of Business Data Communications and Networking (IJBCDN)** (ISSN 1548-0631; eISSN 1548-064X), Copyright © 2014 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 Business Data Communications and Networking* is indexed or listed 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