

INTERNATIONAL JOURNAL OF BUSINESS DATA COMMUNICATIONS AND NETWORKING

July-September 2013, Vol. 9, No. 3

Table of Contents

SPECIAL ISSUE ON GREEN NETWORKING AND COMPUTING (PART 2)

EDITORIAL PREFACE

- iv *Debashis Saha, MIS Group, Indian Institute of Management-Calcutta, Joka, Kolkata, Calcutta, India*
Varadharajan Sridhar, Sasken Communication Technologies, Domlur, Bangalore, India

GUEST EDITORIAL PREFACE

- vi *Josip Lorincz, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture (FESB),
University of Split, Split, Croatia*

RESEARCH ARTICLES

- 1 **A Game Theoretic Approach to Guarantee Fairness in Cooperation Among Green Mobile Network Operators**
Leonardo Militano, University Mediterranea, Reggio Calabria, Italy
Antonella Molinaro, University Mediterranea, Reggio Calabria, Italy
Antonio Iera, University Mediterranea, Reggio Calabria, Italy
Armin Petkovics, Budapest University of Technology and Economics, Budapest, Hungary
- 16 **Design of a Temperature-Constrained Governor to Save Energy in an Open Multi-Frequency Green Router**
Alfio Lombardo, Dipartimento di Ingegneria Elettrica, Elettronica e Informatica (DIEEI), University of Catania, Catania, Italy
Diego Reforgiato, Dipartimento di Ingegneria Elettrica, Elettronica e Informatica (DIEEI), University of Catania, Catania, Italy
Vincenzo Riccobene, Dipartimento di Ingegneria Elettrica, Elettronica e Informatica (DIEEI), University of Catania, Catania, Italy
Giovanni Schembra, Dipartimento di Ingegneria Elettrica, Elettronica e Informatica (DIEEI), University of Catania, Catania, Italy
- 35 **Optimal Green Virtual Machine Migration Model**
Noah Sabry, Department of Computing, Faculty of Engineering & Physical Sciences, University of Surrey, Guildford, UK
Paul Krause, Department of Computing, Faculty of Engineering & Physical Sciences, University of Surrey, Guildford, UK
- 53 **Renewable Energy Sources for Power Supply of Base Station Sites**
Josip Lorincz, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture (FESB), University of Split, Split, Croatia
Ioana Bule, Faculty of Electrical Engineering, Mechanical Engineering, and Naval Architecture (FESB), University of Split, Split, Croatia

Copyright

The **International Journal of Business Data Communications and Networking (IJBCDN)** (ISSN 1548-0631; eISSN 1548-064X), Copyright © 2013 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 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