

# INTERNATIONAL JOURNAL OF BUSINESS DATA COMMUNICATIONS AND NETWORKING

July-September 2012, Vol. 8, No. 3

## Table of Contents

### EDITORIAL PREFACE

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

### RESEARCH ARTICLES

- 1 **Improving Quality of Experience of Subscribers through Post Deployment Network Planning in UMTS Cellular Networks**  
*Samir K. Sadhukhan, Indian Institute of Management Calcutta, India*  
*Swarup Mandal, Wipro Technologies, Kolkata, India*
- 28 **A Performance Evaluation of the Coverage Configuration Protocol Under Location Errors, Irregular Sensing Patterns, and Noisy Channel**  
*Amine Dhraief, HANA Research Group, University of Manouba, Tunisia*  
*Imen Mahjri, HANA Research Group, University of Manouba, Tunisia*  
*Abdelfettah Belghith, HANA Research Group, University of Manouba, Tunisia*
- 42 **Tapping the Wisdom of Crowd Phenomenon in Healthcare Social Networks**  
*Alaa Al-Kadi, Claremont Graduate University, USA*  
*Samir Chatterjee, Claremont Graduate University, USA*
- 57 **Proposing an Intelligent Cloud-Based Electronic Health Record System**  
*Lara Khansa, Virginia Tech, USA*  
*Jonathan Forcade, Virginia Tech, USA*  
*Girivaraprasad Nambari, Virginia Tech, USA*  
*Saravanan Parasuraman, Virginia Tech, USA*  
*Patrick Cox, Virginia Tech, USA*