

International Journal of Future Computer and Communication

CONTENTS

Volume 4, Number 1, February 2015

• Electronics and Communication Engineering

- An Optimized Two-Purpose Peer-to-Peer VANET to Disseminate Traffic Information and Reduce Travel Time.....1
Ali Asghar Valibak, Nik Mohammad Balouchzahi, Kaamran Raahemifar, Mahmood Fathy, and Ahmad Akbari

- Estimating Social Tie Strength for Autonomous D2D Collaborations.....7
Jang-Ho Choi, Dong-Oh Kang, Joon Young Jung, and Changseok Bae

- On the Envelope Correlation Coefficient of an LTE Reference Antenna System for Band 13.....13
Bernhard Auinger, Michael Gadringer, Adam Tankielun, Christoph Gagern, and Wolfgang Bösch

- Contention Resolution in OBS Using FDL_WA_WPRemp.....18
Suriani Mohd Sam, Hamdan Sayuti, Norsheila Fisal, and Norliza Mohamed

- Visualize and Semantic Structure in Web Navigate Communication.....23
Chyi-Wen Hwang

- Network Coding Based Algorithm for WMN Scenario.....27
Sehrish Shoaib and Muhammad Younus Javed

• Computer Vision

- An Offline System for the Recognition of the Fragmented Handwritten Numeric Chains.....33
S. Ouchtati, M. Redjimi, and M. Bedda

- Performance Analysis of a No-Reference Temporal Quality Assessment Metric for Videos Impaired by Frame Freezing Artefacts.....40
Muhammad Arslan Usman, Muhammad Rehan Usman, and Soo Young Shin

- Dance Experience System Using Multiple Kinects.....45
Seongmin Baek and Myunggyu Kim

• Distributed and Cloud Computing

- A Remote Memory System for High Performance Data Processing.....50
Hyun-Hwa Choi, Kangho Kim, and Seung-Jo Bae

- CPU Resizing Vertical Scaling on Cloud.....55
Sakthi Saravanankumar P., Mahendran Ellappan, and Mehanathen N.

- Job Security in the Cloud Computing.....59
Tuo Yupeng, Xu Jie, Xu Zhikai, and Ye Jianwei

- **Algorithm and System Design**

A Simple Dynamic Programming Algorithm for Counting Red Nodes in Red-Black Trees.....	63
<i>Dixin Zhu, Xiaodong Wang, and Jun Tian</i>	
Measurement on a Peer-to-Peer Package Management System for Linux Distributions.....	67
<i>Jie Yu, Weihua Zhang, Xiaodong Tang, Shasha Li, Qiang Li, and Qingtao Shen</i>	
Implementation of Escarpment Alarm System Using Terrestrial Reference System.....	72
<i>Ah Ra Lee, Ashish Rauniyar, and Soo Young Shin</i>	
A Study about Effects of Facebook on Conceptual Learning Mathematics.....	77
<i>Sara Daraei</i>	