International Journal of Future Computer and Communication

CONTENTS

Volume 2, Number 1, February 2013

Content-Aware Image Rotation……..1
Fenghui Niu and Haisheng Li

Identifying the Common Target Genes for miR-21 Using Functional Enrichment Analysis…….……4
Sim-Hui Tee

Minimizing Inter Channel Attacks in WDM Optical Network……..7
Shengli Yuan, Lei Chen, and Ming Yang

Relevance of Data Mining in Digital Library……...……10
R. N. Mishra and Aishwarya Mishra

Automatic Identification of Chinese Prepositional Phrase Including Verbs…….……..15
Yuanyuan Wang and Jianliang Xu

Digital Image Watermarking Improvement Using Multiple Duplicated Signals Embedding and Adaptive Retrieval Algorithm Selection Techniques……18
Komwit Surachat

Throughput Analysis of WLAN with Network Coding……23
Pallavi R. Mane, M. Sathish Kumar, Sudhakar G., and Ghanashyama Prabhu

Post Operative Monitoring of Kidney Transplanted Patients Using Wireless Sensor Networks……..27
Alice Abraham, Srinath K. S., Guru. Prasad B. S., Sumanth, and Narendra Kumar G.

Performance Evaluation of AODV and DSDV for Implementing Robot Swarm…….32
Alice Abraham, Ashutosh Tripathy, Jeson Kamalnath, Naresh T., Samarth Bharani, and Narendra Kumar G.

Bio-Inspired Correlation in a Multi-Robot System……...36
Alice Abraham, Jeson Kamalnath R., Naresh T., Ashutosh Tripathy, Samarth Bharani, and Narendra Kumar G.

Real-time Background Subtraction for Video Avatar……41
Hasup Lee, Yoshisuke Tateyama, and Tetsuro Ogi

Practical Issues on Constructing Hybrid Smart Homes……44
Hsien-Tang Lin

A New Approach to Texture Recognition Using Decorrelation Stretching……..……49
Micha Kalfon and Moshe Porat

A Single-Image Super-Resolution Method for Texture Interpolation…….54
Yaron Kalit and Moshe Porat

MF-Secure: Multifactor Security Framework for Distributed Mobile Systems…….59
S. Rithika Saranya and S. Ravimaran

Potential Innovations (New Ideas/Trends) Detection in Information Network……..63
Dmitry Romanov, Mikhail Ponfilenok, and Nikolay Kazantsev

A Study of the Use of IDAs in Cloud Storage…….67
Xuesong Zhang and Honglei Wang