

International Journal of Computer Theory and Engineering

CONTENTS

Volume 7, Number 5, October 2015

• Image and Signal Processing

Novel Prediction Error Based Reversible Data Hiding Method Using Histogram Shifting.....332
Ting Luo, Gangyi Jiang, Mei Yu, and Wei Gao

The Application of Adaptive LMF Quadratic and Cubic Volterra Filters to ECG Signals.....337
W. A. Zgallai

Extended Object Tracking and Stream Control Model Based on Predictive Evaluation Metric of Multiple-Angled Streams.....343
Dávid Cymbalák, Ondrej Kainz, and František Jakab

Flexible Data Warehouse Parameters: Toward Building an Integrated Architecture.....349
Mustafa Musa Jaber, Mohd Khanapi Abd Ghani, Nanna Suryana, Mohammed Aal Mohammed, and Thamir Abbas

Performance Comparison of the Kalman Filter Variants for Dynamic Mobile Localization in Urban Area Using Cellular Network.....354
N. Bouzera, N. Mezhoud, A. Khireddine, and M. Oussalah

Character Analysis Scheme for Compressing Text Files.....362
Sunday Eric Adewumi

A Complete Study of Variability in Time and Amplitude of a Standard ECG Database.....366
Manuel M. Casas, Roberto L. Avitia, Alexandra Gomez-Caraveo, Marco A. Reyna, and Jose A. Cardenas-Haro

Mammographic Image Enhancement Based on SWT and High Boost Filtering.....374
Arya Devi P. S. and M. G. Mini

Application of Computed Tomography in Structure Analyses of Metal Matrix Syntactic Foams.....379
I. Kozma, I. Zsoldos, G. Dorogi, and S. Papp

• Computer Networks and Security

Performance Investigations of Routing Protocols in Vanet under IPv4 and IPv6.....383
Mohamed Otmani, Fihri Mohammed, and Ezzati Abdellah

ID-Based Non-Interactive Universal Designated Verifier Signature for Privacy-Preserving Applications.....389
Han-Yu Lin

Computation of Parameters Using Genetic Algorithm and Sequential Quadratic Programming in Sampling...394
Nursel Koyuncu

• **e-Education and e-Commerce**

Assistive Tools towards Personal Learning Environment in Higher Education.....398
Nooralisa Mohd Tuah, Dg Senandong Ajor, and Nuraini Jamil

Web-Oriented Architecture (WOA) Enabled Customer-Centric Collaborative Commerce Platform (WCCP)
.....402
Chuan-Jun Su

Development Method for Shariah Compliant e-Commerce Payment Processing.....408
Tamrin Amboala, Ainnur Hafizah Anuar Mokhtar, Mohd Zulkifli Muhammad, Mohamad Fauzan bin Noordin, and Roslina Othman