

# International Journal of Computer Theory and Engineering

## CONTENTS

---

---

### Volume 8, Number 5, October 2016

#### • Computer Applications and Network Communication

GEMINI: A Hybrid Byzantine Fault Tolerant Protocol for Reliable Composite Web Services Orchestrated Delivery.....	355
<i>Islam Elgedawy</i>	
E-Government Project Obstacles in Pakistan.....	362
<i>Zulfiqar Haider, Chen Shuwen, and Muhammad Bux Burdey</i>	
Performance Analysis of Identifier Locator Separating Protocols Based on a Distributed Hash Table in Traditional and Software Defined Networks.....	372
<i>Bong-Jung Yoon, Seong-Mun Kim, and Sung-Gi Min</i>	
A Graph-Based Solution for Register Coupling in Functional Verification.....	379
<i>Zhang Yuxuan, Jiang Guofan, Lu Yinchao, and Gou Pengfei</i>	
Simulating Dynamic Time Dilation in Relativistic Virtual Environment.....	385
<i>Abbas Saliimi Lokman, Ngahzaifa Ab. Ghani, and Lok Leh Leong</i>	
Priority-Based Queue Management Scheme to Reduce Overloads on SIP Servers.....	389
<i>Tadasuke Nozoe, Masahiko Noguchi, Minoru Sakuma, Kazuaki Misawa, and Mikio Isawa</i>	

#### • Image Processing and Application

Comparing Non-homomorphic and Homomorphic Wavelet Filtering Techniques for Speckled Images.....	393
<i>M. A. Gungor and I. Karagoz</i>	
Detection of Abnormal Movements of a Crowd in a Video Scene.....	398
<i>G. Mariem, E. Ridha, and Z. Mourad</i>	
Product Images Retrieval Based on Smart Mobile Devices.....	403
<i>Yuzhong Zhang and Chongwen Wang</i>	

PET Image Segmentation Based on Gabor Annulus Filtering and Region Growing.....	409
<i>P. S. Arya Devi and M. G. Mini</i>	

Horse Detection Using Haar Like Features.....	415
<i>M. S. Uddin and A. Y. Akhi</i>	

Improving the Classification of Emotions by Studying Facial Feature.....	419
<i>Y. Siwar, E. Ridha, J. Olfa, and Z. Mourad</i>	

#### • Data Processing and Analysis Technology

HPC (High-Performance Computing) for Big Data on Cloud: Opportunities and Challenges.....	423
---	-----

*Mohamed Riduan Abid*

- Exploring Ground Level Ozone Distributions with Micromap Plots in Seoul of Korea.....429  
*J. Y. Ahn and S. J. Park*

- Using Arbiter and Combiner Tree to Classify Contexts of Data.....434  
*Tawunrat Chalothorn and Jeremy Ellman*