International Journal of Computer Theory and Engineering

CONTENTS

Volume 9, Number 3, June 2017

• Evolutionary Computation and Algorithm
GO-DBSCAN: Improvements of DBSCAN Algorithm Based on Grid……………………………….151
  Ling Feng, Kejian Liu, Fuxi Tang, and Qingrui Meng
Automated Generate Test Sequence from State Transition Diagram Using Ant Colony Optimization…….156
  Suchada Ratanakongnate and Phakakarn Makmun
Evaluating FTTT Protocol via PRISM, PRISM-symm and GRIP……………………………….162
  Sania Bhatti, Mohsin Memon, and Sheeraz Memon
A Fuzzy Logic Based Attack Strategy Design for Enemy Drones in Meteor Escape Game…………167
  Ali Emre Soylucicek, Erkan Bostanci, and Aykut Burak Safak

• Computer Science and Applied Technology
A Multiplier-Less Implementation of the Canny Edge Detector on FPGA and Microcontroller…………172
  Hung Kwan Fung and Kin Hong Wong
Game Based Learning on Android Platform: Cognitive Remediation Therapy Games………………179
  Mohd Pouzi bin Hamzah and Muhammad Faris Izzat bin Ahmad Khairil
Complex Event Processing for Intent Understanding in Virtual Environments………………………185
  Sebai Mounir and Cheng Cheng
Testing and Evaluation of a Augmented Reality System for Battlefield Solders………………………….192
  Jinsuk Kang
The Construction of Autonomous Virtual Hand in Virtual Assembly Environments…………………197
  Zhang Ting, Cheng Cheng, Ge Wei, and Zhang Jing
Cuffless Blood Pressure Estimation Based on Photoplethysmography Signal and Its Second Derivative……202
  Mengyang Liu, Lai-Man Po, and Hong Fu
Integrating Physical Expert Systems to Forecast Taiwan Stock Behavior……………………………207
  Chiu-Chin Chen and Chia-Chun Liao

• Computer Networks and Applications
QoS-aware User Load Management with Beamforming for Energy Efficiency in Wireless Networks……211
  Naveed Ali Kaim Khani, Zhe Chen, and Fuliang Yin
Cluster Head Selection Based Routing Protocol for VANET Using Bully Algorithm and Lamport Timestamp
………………………………………………………………………………………………………………….218
  Pramodh Kavisha Dharmawardena and Zhanjie Wang
• **Intelligent System and Control Technology**
  
  Thai to Khmer Rule-Based Machine Translation Using Reordering Word to Phrase .................................................. 223
  
  Sukchatri Prasomsuk and Puthy Mol

  Robot Avatar: A Virtual Tourism Robot for People with Disabilities ................................................................. 229
  
  Chong Wing Cheung, Tai Ip Tsang, and Kin Hong Wong