Table of Contents

Reseurches on the Application of the New improved Analytic Hierarchy Process in the Physical Achievements Inspection System 1

Shuhe Shao

Decision support of Bad Player Identification in MOBA Games using PageRank based Evidence Accumulation and Normal Distribution based Confidence Interval 13

Jae Youn Shim, Tae Hyun Kim and Seong Whan Kim

Continues Blood Pressure Measurement and Data Logging Device with SMS Alert 25

M. K. Chaithanya, K. V. K. Kishore and Avireni Srinivasulu

Obtaining Information Content of Concepts: An Overview 39

Lingling Meng, Runqing Huang and Junzhong Gu

A Resource Allocation Method for Wireless Network with Multiple APs 51

Chunlin Li, Yuejiang Huang, Hong Wang and Changxi Niu

3D Face Reconstruction With Local Feature Refinement 59

Rudy Adipranata, Kartika Gunadi and Wendy Gunawan

Reliability Analysis of COTS-based Software System 73

Zhang Nan and Wei Jiamin
Multi-Target Tracking and Behavior Analysis Method for Video Surveillance Applications 85

Jie Su, Gui-sheng Yin, Chen Hailong and Luo Zhiyong

GUID for Mobility First Architecture Supporting IoUT 95

Kalyani Muppalla, Nam-Yeol Yun, Soo-Hyun Park and Changhwa Kim

Neural Network Model for the Risk Prediction in Cold Chain Logistics 111

Weiyang Xu, Zhenji Zhang, Daqing Gong and Xiaolan Guan

Modeling and Simulation of Partially Distributed Mobility Management Scheme 125

Jang-Geun Ki, Kyu-Tae Lee and Do-Hyeun Kim

Study on College English Test (CET) Comprehensive Management Information System Based on Multi-system Data Integration 137

Qin Lele, Yin Shaoqing and Dong Ganghui

An Adaptive Stopping Criterion for Backpropagation Learning in Feedforward Neural Network 149

J. T. Lalis, B. D. Gerardo and Y. Byun

On-Demand Data Pumping for Digital Micromirror Device in Maskless Lithography Systems 157

Hee-Dong Park
Based on Neural Network Information Fusion System Architecture
Evolution Research in the Theory of Evolution

WU Rong-chun, Zhang Feng-li and Nie Ben-jun

Research on the Gray Hierarchy Evaluation Model Based on Multimedia System and English Teaching Evaluation

Xueyuan Zhang

The Performance of Knowledge Collaboration in Virtual Teams: An Empirical Study

Shuli Gao, Yanli Guo and Jianbin Chen

Motion Recognition based on Manifold Learning Spectral Clustering

Hongli Zhu and Jian Xiang

Mobile Guiding System for Parks Based on Highly Precision Electronic Map

Du Meng, HuangXinyuan and Ye Mingsheng

Robust Network Design using Topology Characteristics

Hoyoung Hwang and Seungcheon Kim

The WSN Coverage Optimization of the Diversified AFSABased on ChaosLearning Strategy

Yongqiang Li and PanJin
The improved Shark Search Approach for Crawling Large-scale Web Data 251
Youwei Yuan, Dou Chen, Yong Li, Dongjin Yu, Lamei Yan and Zhixiang Zhu

Design and Development of Unity3D Game Engine-Based Smart SNG (Social Network Game) 261
Jae-Hwan Bae and Ae-Hyun Kim

YCbCr Image Supported NIR Image Enhancement 267
Gwanggil Jeon

Research on Comparison and Evolution Mobile Customers Participate Type in Open Innovation 277
Zhen Zhang, He Junhui and Jiahua Li

Doppler Effect Plug-in in Music Production and Engineering 287
Yoemun Yun

Analysis of Physiologic Effect of Snowboard Deck in Snowboarders 293
Jinho Back, Sun Hur and Young-Mee Lee

Control Strategy of Aileron’s Force-fight 301
Ying Zhang and Zhaohui Yuan

A Novel Data Dissemination Algorithm for Wireless Sensor Networks 313
Jin Wang, Bo Tang, Bin Li, Zhongqi Zhang and Jeong-Uk Kim
Complex Network Community Mining based on Genetic Algorithm 325
Chang Hao

Block-Based Sparse Integral Histogram with Interpolation 337
JinYong Park, Hyunki Hong and TaeYong Kim

A Sound Analysis and Synthesis System for Generating an Instrumental Piri Song 347
Myeongsu Kang and Jong-Myon Kim

An Automatic Registration Method for AVHRR Remote Sensing Images 355
Ying Xia, Linjun Zhu, Xiaobo Luo and Hae Young Bae

A Real-time Shape Recognition Scheme for Hardware Implementation 367
Young Chun Kwon, Yeon-woo Kim, Sunhan Jeong and Nakhoon Baek

The E-Learning Platform for Pronunciation Training for the Hearing-Impaired 377
Settachai Chaisanit and Surachai Suksakulchai

Finger Vein Image Enhancement Algorithm Based on the Grayscale Morphology 389
Chenxuan, Zhangjun, Youlin, Wang changliang, Xufangheng

Study on Improving the Transformation of Scientific and Technological Achievements Profit Distribution in Chinese Universities 399
Na Deng Haosi Chen
A Platform for Changing Legacy Application to Multi-tenant Model  407
Yangpeng Zhu

A Study on Denoising Method for Image of Mixed Noise  419
Zhao Xiaofeng and Xie Hongsheng