Contents:

JCIT: Editorial Board ........................................................................................................................................ i
JCIT: Call for Papers & Special Issue ........................................................................................................... x

< PART 1 >

The Study on Temperature Control System Design Using the Improved PLC Technology ................................................................. 1
LANG Xue-dong

Analysis on Virtual Assembly Technique of Chemical Engineering Technological process Based on LabVIEW ................................................................................. 11
Liu Yi

Style Preference Shift of Individual Investors and Stock Returns: Evidence from China... ................................................................. 19
Changsheng Hu, Yongfeng Wang

Target Azimuth Estimation Method and System Based on Hilbert-Huang Transform. 27
Zheng Zhu, Yilin Wang, Ping Cai

A Formal Analysis Method for Optimistic Fair Exchange Protocol ................................. 35
Yuexiang Gao, Daiyuan Peng, Pengzhi Tang

Research on the Simulation of Vibrating System Based on LS-DYNA ................................. 47
Jihui Liang, Lili Xin

Rumor Routing Base on Ant Cellular Automata for Wireless Sensor Networks .......... 55
Yanrong Cui, Hang Qin

Research on Qualified Chip Rate of Various Biomaterials at Different Rotate Speeds...... 64
Xiangyue Yuan, Guosheng Yu, Zhongjia Chen

A Novel Binary Feature Descriptor for Accelerated Robust Matching ............................. 72
Chen Chen, Zhengguang Xu

Detecting Algorithm for Weak Signals Considering Priori Information .............................. 80
Zhongliang DENG, Xie YUAN, Yanpei YU
Research on Diagnosis Method of Breast Tumor Based on Factor Analysis and GA-BP ................................................................. 89
ZHANG Li-guo, ZHI Li-fu, LI Yi

Monetary Policy, Stock Prices and Inflation: Empirical Evidence from China .................. 98
Zhang Lijun, Wang Xiaohong

A Node-priority based Coordinating MAC protocol in MANET ........................................ 108
Zhenquan Qin, Weifeng Sun, Huizhen Jiang, Xiao Li, Yan Hu

Study on The Method of The Quality Contribution Rate of Industrial Enterprises ... 117
MAO Shuai

Game Analysis of Financial Innovation and Regulation —— A Phenomenon in China........ 124
WEI Jianguo, LU Dan

Simulation Study on Echo Adaptive Interference Cancellation Algorithm ................. 132
Yanmei Wang, Chengwen Zheng

Financial Intermediary, Capital Market and Economic Growth in China: An Empirical Study with Factor Analysis ......................................................... 141
WANG Renxiang, TONG Teng, R.A Rathanasiri

Semantic Interoperability for Data Integration Framework using Semantic Web Services and Rule-based Inference: A case study in healthcare domain .......... 150
Suphachoke Sonsilphong, Ngamnij Arch-int

Research on The Computer Network Security Evaluation Based on The ULCGM Operator with Uncertain Linguistic Information .................................................. 160
Xuezhi Mo

Field-weakening Control Algorithm for Interior Permanent Magnet Synchronous Motor Based on Space-Vector Modulation Technique ........................................ 167
Jun Li, Qinruo Wang, Jiajun Yu, Jianbin Xiong

AP-OCSP: A Lightweight Pre-Computed OCSP Scheme Based on the Adjustable Hash Chain ......................................................................................... 176
Lei Song, Jinlin Wang, Jun Chen, Lingfang Wang

A Collision Avoidance Delayed MAC Protocol for Underwater Sensor Networks ...... 185
Seung-Hyun Oh, Stanislav Tyan

Analysis of Teaching Achievement Indicators in English Education Based on Multimedia Technology and Competency Model ......................................................... 193
Hao Xin
A 32 Wavelength Hybrid Passive Optical Network Architecture by Applying QPSK Modulation in Downstream and Intensity Re-Modulation for Upstream Colorless Transmission

Shahab Ahmad Niazi, Xiaoguang Zhang, Lixia xi, Abid Munir, Muhammad Idress Afridi

Enhanced supervised Kernel Neighborhood Preserving Embedding for Radar HRRP Recognition

Yun Zhou, Xuelian Yu, ZhongZhi Li, Xuegang Wang

Design of a novel Power Management Controller for a Plug-in Hybrid Electric Vehicle...

Wei Qi, Duo Xiao, Wenyao Pang, Hai Jin, Qiuting Wang

Regional Transportation Network Redesign Model and Algorithms: A supernetwork to South-Central China Real Case

Mi Gan, Zongping Li, Si Chen

Simulation of Multi-Range Doppler Spectra for Microwave Sea-surface Radar at Moderate Grazing Angles

Lingang Fan, Zezong Chen, Yan Jin, Chen Zhao

Marketing Prediction Based on Time Series Prediction Algorithm of Least Squares Support Vector Machine

Jing Zhai, Liping Huang

Influencing Factors Identification of Transportation Carbon Emission Based on Gray Entropy DEMATEL

Qiang Cui, Haibo Kuang, Chunyou Wu

A new Parallel Collision Detection Algorithm Based on Genetic Algorithm

Yumei Xiong, Chao Li

The Framework of Information Resource View in Cloud Computing Environment

Yong Ai, Chengyu Tan, Hongbin Dong, Sai Liu, Yiwen Liang, Jiaqi Qu, Jinhua Xiong

<PART2>

One Vehicle Type Recognition System Based On DM6467

Zhiwei TANG1,2, Lin MEI3

A Site Assessment Model for Water Recreation Activities

Han-Chen Huang
Study on The Network Public Opinion Factors of Emergencies ............................... 296
Xueyan Cao, Xian Zhang, Liang Liu, Shiming Li

Research on Influential Factors of The Credibility of Hot-Event News in Government Micro-Blog .......................................................... 303
Xueyan Liu, Qiang Yan, Zhaohui Li

A Novel Localization Scheme Base on Adaptive Sampling and Refinement for Wireless Sensor Networks ............................................................. 312
Wei Cheng, Yong Li, Yaming Zhang, Dong Li

The Study of An Ant Colony Optimization Algorithm for Protein Folding Problem .. 322
Jinbiao Hou

Values and Bounds of a Type of Generalized Van der Waerden Numbers .............. 332
Ye Ansheng

A Rough Set Approach to Elicit Customer Preferences for Fashion Design............. 338
Meng-Dar Shieh, Chih-Lung Huang, Chih-Chieh Yang

Influencing Factors Analysis of Forest Farmers’ Adoption of Forestry Electronic Commerce .................................................................................. 350
Kun Fan, Jing Wu, Xinyu Ma, Weijia You

Study on Survivability of Tree Structure and BA Network Based on Node Importance ... 358
Qun Xiang, Wenzheng Wang, Yao Wang

The Research on Pulsed Eddy Current in Non-Destructive Testing For Metal Casing...... 365
Xue-long Wang, Xi-jin Song, Jing Zhang

A Comprehensive Survey: Self-Adaptive Evolutionary Algorithm and Applications 372
Feng Xu, Guoyin Zhang

Closing Gaps Based on Organizational Knowledge Structure .............................. 380
Qiu Jiang-nan, Wu Mei-jun, Nian Chuang-ling

Multifractal Analysis of the Heterogeneous Soil Water Flow in Root Zone ............. 389
Zhu Lei, Liu Dedong, Zhu Chengli

Alleviating Near-Far Effect on Spectrum Allocation Optimization in Dynamic Spectrum Access ............................................................................ 399
Jian Chen, Hewu Li
Safety Program for Campus Network Application System .................................................. 410
Peng Yang, Wei Wei, Peiyi SHEN, Li Fan, Wei Wang, Feng Wang, Xin Song, Zhixiao Wang, Yongchao Wang, Jiachen Geng

Conflict Resolution Method Based on RS-2TL in Customer Collaborative Innovative Design .......................................................... 417
Xiaolei Wang, Xiyang Liu

Virtual Tourism through Value Study of Social Expression in Virtual Environment .. 426
Yao-Hsu Tsai, Ching-You Hong, Chieh-Heng Ko, Hsin-I Chang

Research on Pattern Synthesis for Low Side Lobe of Truncated Cone Conformal Phased Array Antenna ............................................................................................................... 434
Zeng Guoqi, Li Siyin, Wei Zhimian, Xiong Xiaojun

RBF Neural Network based on Global Optimum Artificial Fish Swarm Algorithm ... 443
Qing Chen, Yuxiang Shao

Map Assisted Pedestrian Orientation Detection by Smart Phone ....................................... 451
Song Zheng, Ma Jian, Wang Wendong, Xiong Yongping

Construction the E-commerce Trading Platform Based on Rough Set Data Mining Technology .......................................................................................................................... 460
JinHui Lei, XianFeng Yang

Research on Lane Departure Warning Method based on Fuzzy Logic ............................... 470
Qiang Luo, Lun-Hui Xu, Yan-Guo Huang, Xian-Yan Kuang

MDABC: A Modified Discrete Artificial Bee Colony Algorithm Using Dynamic Neighborhood Search Strategy ................................................................. 478
Yurong Hu, Lixin Ding, Datong Xie, Yu Sun

Comparative Analysis of Facial Features for Facial Expression Recognition .................. 486
Qiang Zhou, Shiqing Zhang

Interruption Frequency and Network Condition Based Buffer Management Schemes in P2P Streaming Systems ............................................................. 495
Lifang Huang, Jinyao Yan

Special Human-Computer Interaction Model Oriented to Hearing Impaired Children .... 503
Zhao Jian, Shi Lijuan, Du Qinsheng, Wang Lirong
Impact of Buffer Structure for Mixed UDP and TCP Traffic in Routers with Very Small Buffers
Botao Bai, Jinyao Yan

Approximate Completed Trace Equivalence of Homogeneous Linear Algebraic Hybrid Systems
Hao Yang, Jinzhao Wu, Yang Liu, Zhiwei Zhang

Application and Evaluation of Network in Higher Education
LI Shuying, YANG Chaozheng, ZHAO Yingjie

Modeling and Simulation Study of Improving Dynamic Distributed Systems with Traffic-Shaping Mechanism
Chih-Chiang Wang, Ren-Hung Hwang, Harry Perros, Ssu-Wei Huang

ARM-based Wireless Monitoring and Control System of Civil Engineering Construction Information
ZiQi He

Automatic Extracting Information of Static Chemical Molecular Structure Images
Yan Guan, Cunhua Li, Zhaoman Zhong

A Non-Dominated Sorting Genetic Algorithm for The QoS Based Routing and Wavelength Allocation Problem
Hongyi Zhang, Zhidong Shen, Changsheng Zhang

Zifu Fan, Mei Yang, Xiaoyu Wan

Incentive Mechanism of Career Plan of HCNS in Chinese Knowledgebased MNCS: A Dynamic Game Analysis of Incomplete Information
Fengming Tao, Tao Yang

A Multi-population Multi-Mutation Strategy for Differential Evolution
WANG Shenwen, XIE Chengwang, HU Yurong, XIE Datong, YANG Hua

An Efficient Non-subsampled Contourlet Transform Method for Dark Color Image Enhancement
Xiaohong Long, Jing Zhou
Solving Computationally Intensive Problems in Reconfigurable Hardware: A Case Study
Iouliia Skliarova, Tiago Vallejo, Valery Sklyarov, Alexander Sudnitson, Margus Kruus

Design and Implementation of Competitiveness Evaluation System for Metallurgical Enterprises Based on MySQL and JSP
Gu Wei, Hu Rui

Piecewise Fusion and Objects-based Region Average Method for Video Enhancement
He Xiao, Yunbo Rao

An Incremental Rapid DBSCAN Clustering Algorithm for Detecting Software Vulnerabilities
Yanyan Wang, Yanning Wang, Di Wu, Jiadong Ren

Translating OWL Ontology into Satisfiability Problem for Reasoning
Yingjie Song, Rong Chen, Yaqing Liu, Jinghuan Guo

A Novel Method for Counting Similar Objects in Images by Iterative Strategy
Jinguo He

Research on Security Threat Assessment Method Based on The Attack Tree Model of The Internet of Things
Xing Jie, Bi Hongjun, Liu Yun

Dynamic Equilibrium Model of Easy-Deteriorated Product Supply Chain Network with Stochastic Demand
Li Yong-hua, Teng Chun-xian, Chen Zhao-bo

A Genetic Algorithm for Solving Multi-Mode Critical Chain Project Scheduling Problem
Peng Wuliang, Liu Xueying, Hao Yongping

Narrowband Ultrasonic Hybrid Exponential Model and its Parameter Estimation for Object Location
Zhenkun Lu, Gang Wei

A New Type of Ring Signature Scheme Based on Group Signatures Idea
Quangang Zhao

Fuzzy Possibilistic Support Vector Machines for Class Imbalance Learning
Meng Fanrong, Gao Chunxiao, Liu Bing
A Novel Logic and Approach to Speed up Simulation and Analysis of Production Systems
Francesco Aggogeri, Marco Mazzola, Alberto Borboni, Rodolfo Faglia

Fault Diagnosis for Bone Mechanical Handling Driving System Based on PSO-LSSVM Algorithm
Ma Shaojun

The Co-opetition Evolutionary Analysis of the Industrial Chain of Chinese Mobile Phone Distribution Channel Based on Game Theory
Jiangyong Ying, Yongsheng Jin

An Unidirectional Threshold Proxy Re-Signature Scheme
Guoxiang Hu, Xiaodong Yang, Caifen Wang

An Efficient Secure Network Coding Scheme Against Known-plaintext Attacks for Scalable Video Multicast
Guangjun Liu, Ximeng Liu

Development of Remote Monitoring and Alarm System for Empty-nest Elders Integrating with Digital Image Processing Technique
Liang Hua, Kean Yu, Juping Gu, Xiao Wu, Yanan Sun

An Algorithm of Using Helpers to Deliver Content Segments in P2P VoD System
Li Xia

A Grouped Decoding Algorithm for Non-binary LDPC code with Quasiorthogonal STBC in MIMO System
Yier Yan, Xueqin Jiang, Moon Ho Lee,

Uncertain Essential Emerging Patterns for Classifying Uncertain Data
Mei Li, Paul YANNE, Yang Zhang

The Study and Application of I2C Bus in Mobile Phone
Dong Qingxia

Supervised Non-negative Tensor Learning with Orthogonal Constraint for Face Detection
Li Dan, Liu Cheng, Zhao WeiDong, Yan Tao, Liu YongHong

The Design and Implementation of Instant Messaging Modules Based on the SIP Protocol
Tong-Huan Liu, Zhen-Jiang Zhang, Xu Yang, Shu-Ran Liu
Attribute Partial Order Trees for Medical Image Analysis
Zhi Gao, Wenxue Hong, Zhihao Zhu, Yonghong Xu

Research on the Section Type for Telescopic Boom of 100m AWP Based on Similarity Theorem
Rumin Teng, Fuzheng Qu, Yanwei Teng, Xuyang Cao, Hao He, Chao Zhao

A hybrid Cuckoo Search Algorithm-GRASP for Vehicle Routing Problem
Hongqiang Zheng, Yongquan Zhou, Qifang Luo

Absorptive Capacity and Enterprise Performance: An Empirical Study
Lu Liu, Qing Xin

A New Two-factor Dynamic ID-based Remote User Authentication Scheme
Ren-Junn Hwang, Feng-Fu Su, Yang-Yi Chen

Zongcai Jiang, Liying Yu