Contents:

AISS: Editorial Board ................................................................................................... i
AISS: Call For Paper ................................................................................................... vi

< PART 1 >

Landscape Pattern Change Prediction Of Jinhu Coastal Area Based On Logistic-CA-Markov Model..................................................................................... 1
Su Lei, Zhu Jinghai, Ren Shaohong, Hu Yuanman, Liu Miao

Comparison of Full-Information and Limited-Information Methods for Bi-Factor Model............................................................................................................. 11
Tiechuan Liu, Haiqi Dai, Yu Zhao

UML Model Design for Mobile Game on the Android OS............................... 19
Zhu Quanyin, Jin Ying, Xu Chengjie, Geng Rui

A Novel Robust Watermarking for Medical Image........................................... 28
Jingbing Li, Chunhua Dong, Mengxing Huang, Huaiqiang Zhang, Yen-wei Chen

Performance Improvement by Genetic Feature Selection and Adjusting Ratings’ Mid-point Value in the Neural Network-Based Recommendation Models........................................................................................................................ 37
Gyung-Mok Yoon, Jin Kim, Yong-Hyuk Kim, Byung-Ro Moon

An Improved Event Routing Method to Distributed Computing.................... 44
Xiwei Feng, Cang Guan, Jianhua Wang, Hang Qin

Preoperative Planning for Liver Surgery based on CT Images.......................... 54
Xiao Song, Ming Cheng, Boliang Wang, Shaohui Huang, Xiaoyang Huang

English Character Recognition Based on Feature Combination...................... 61
Yang Yang, Lijia Xu, Chen Cheng
Implementation and Research on the Key Technologies for Underwater Image Communication System

Lu Yin, Bing Chen, Jinhua Hu, Ping Cai

The Entrepreneurial Competences for Starting a Store

Hsi-Chi Hsiao, Su-Chang Chen, Jen-Chia Chang, Chun-Mei Chou, Chin-Pin, Chen, Chien-Hua Shen

Dealing with Redundancy Coherence Conflict for Relaxed Input Replication in Fault-tolerant Chip Multiprocessors

Jiaxin Yu, Dong Jian, Zhibo Wu, Hongwei Liu

Study on the Value Based Market Segmentation Method: Empirical Study of Korean Mobile Handset Market

Yonghee Shin, Hyori Jeon, Munkee Choi

Differential Fault Analysis by Reducing AES Round

KiSeok Bae, SangJae Moon, DooHo Choi, YongJe Choi, DooSik Choi, JaeCheol Ha

Some Remarkable Properties of the Uniformly Random Distributed Archive Scheme

Ahmed Tallat, Kilho Shin, Hwaseong Lee, Hiroshi Yasuda

One Efficient 3D Disparity Estimation for HD

Yiqing Liu, Yinghong Tian

Frequent Pattern Learning based Feature-level Opinion Mining on Online Consumer Reviews

Hui Song, Yingxiang Fan, Xiaoqiang Liu

Feasibility of a Multi-Functional Bridge Bearing with Built-in Piezoelectric Material

Dong-Ho Ha, Jinkyo F. Choo, Daehyun Kim, Nam Seo Goo

Automatic and Effective Service Provision with Context-aware Service Composition Mechanism in Cyber-Physical Systems

Tao Wang, Lianglun Cheng, Ke Zhang
Toward Discovering and Predicting Technical Opportunities and Technology Trends
Jinhyung Kim, Mikyung Lee, Sa-Kwang Song, Won-Kyung Sung, Hanmin Jung

Multilevel Minimum Cross Entropy Threshold Selection with Shuffled Frog-leaping Algorithm
Ming-Huai Horng

Model Representation and Generation Based on NVCR
Xing Ying, Zhang Hongjun, Zhang Rui, Zeng Zilin

Multi-Task Scheduling Method Based on Ant Colony Algorithm Combined QoS in Cloud Computing
JianPing Wang, YanLi Zhu, HongYu Feng

Studying the Aesthetic Visual Style of Paintings by Multi-cues
Bing Yang, Duanqing Xu

Analysis of Social Learning Network for Wiki in Moodle E-Learning
Norazah Yusof, Andi Besse Firdausiah Mansur

Comprehensive Welding Technology For Type 304 Stainless Steel Rotating Shaft
Zuo Shilun, Wang Jiaxu

< PART 2 >

OBSC: A Server-side Cache Scheme for Object-Based Distributed Storage System
Ji-Lin Zhang, Chang Zhou, Jian Wan, Li Zhou, Yu-Yu Yin, Cong-Feng Jiang, Yong-Jian Ren

Streamlining Codesign Method for Systems with Timing Uncertainties: A Case Study of CNC Systems
Jiafu Wan, Chunhua Zhang, Hehua Yan, Hui Suo, Caifeng Zou

Mechanism Penalty for Task Scheduling in Wireless Sensor Networks
An Approach to Software Quality Assessment with Intuitionistic Trapezoidal Fuzzy Information

Xiaoyan Huang, Shuijiang Xi

Research and Application of the Aircraft Engine Fault Diagnosis Based on the Amplitude Domain Index and BSS Algorithm

Xinling Wen

Unstructured P2P Search Mechanism Based on Ant Colony Optimization

Dongming Tang, Xianliang Lu, Lei Yang

Estimating the Impact of the Notch Type on the Flow Field and Dynamic Behavior of the Spool Valve

Y. Zhu, X. R. Gao

A Novel Approach for Ship Trajectory Online Prediction Using BP Neural Network Algorithm

Tingting Xu, Xiaoming Liu, Xin Yang

Research on Web Service Reconfiguration using Model Checking-based Recommendation Strategy

Yuyu Yin, Qin Wu

Application of Weight Fuzzy Identification Method in Vehicle Occupant Classification Algorithm

Zhenhai Gao, Yang Zhao

Kinematics Analysis and Simulation on a Four-legs Jumping Robot

Yili Zheng, Jinhao Liu, Hao Tian, Ling Lu

Compensation Disparity in MNCs in China based on Doubly Demotivation

Qu Dingyuan, Zhao Lu
A Computer-aided Tool for Generating Test Sequence for CTCS-3 Train Control System

Zhang Yong, Wang Shu, Zhang Xiaokun, Sha Shuo, Xu Gaozhen

A New Model and Queue Management Algorithm for Congestion Control in Cloud Service

Luyun Xu, Yunsheng Zhang, Xia-an Bi

Study on the Color Printer Characterization Models by Analyzing Different Interpolation Algorithms

Bangyong Sun, Shisheng Zhou, Chen Tian, Xiaoxing Wu

The Method of Virtual Driving Behavior in Active Safety Based on Information Fusion

Meiyu Lv, Wenjun Hou, Xiaona Tian

Research on Enterprise Developmental Strategy Based on the SWOT Analysis

Zhisheng Sun

Approximately Duplicate Records Detection Based on Complete Subgraph

Zhongnan Zhang, Ling He, Yize Tan, Minghong Liao

On-line Structural Damage Detection Using a Piezoelectric Guided Waves System

Zhao Naizhi, Yan Shi, He Binbin

Experimental Study on the Effects of Aspirin Using High Temperature Model of Mice

Li Gao, Yinghu Zhao, Zhaoliang Liu

Individual Communication Transmitter Identification using SVMs with Polyspectrum Kernels of Average Carrier Frequency

Na Sun, Yajian Zhou, Cong Wang, Yixian Yang

Weighted Community Detection Based on a Community-Topic Interacting
Model ........................................................................................................................................... 385
Gong Zhe, An Baoyu, Cui Wei, Xin Yang, Du Xiaofeng, Niu Xinxin

Thermal-Hydraulic Analysis of Hydrodynamic Coupling ......................................................... 393
Fan Lidan, Ma Wenxing, Cai wei

The Ordering Strategy of Retailers with Free Shipping in E-commerce ............................... 400
Yongsheng Zhou, Haoxiong Yang, Mingke He, Biao Dong

Competition and Cooperation between participants of the Internet of Things Industry Value Chain .............................................................. 406
XiYan Lv, RunTong Zhang, Jiang Yue