Contents:

AISS: Editorial Board ....................................................................................................................... i
AISS: Call for Papers & Special Issue ............................................................................................. vii

< PART 1 >

Research on Effectiveness and Scientificalness of Logistics Based on PCA-DEA Approach: An Illustrative Example from Yangtze River Delta Port of China
Changbing Jiang, Chunhua Ju, Fei Ding

Building up the Evaluation Model in View of Internationalization Strategy for Performance
Wei-Hwa Pan, Tsung-ting Chung, Ching-Yao Chen, Wei-Chuan Wang, Lin-Song Chang, Chi-Hsuan Lin, Yuan-Shiang Chao

Evaluate the Performance for Regional Diversification Models of Firms Competitiveness
Wei-Hwa Pan, Wei-Chuan Wang, Wei-Chun Tsai, Hui-Fun Yu, Chiu-Tang Lin, Wan-Chun Chang, Chi-Hsuan Lin

The Impact of Inflation on Urban-rural Income Gap: A Perspective from Asset Value Maintenance
MING Sutian, MA Hao

Vibration Signal Fault Diagnosis Based on Generalized Fractal Dimension
Biqiang Du, Guiji Tang

A Method of Learning the Kernel Using the Alignment
Zhiying Tan, Yong Feng, Kejia Xu, Kun She, Xiaoobo Song

Modeling a Weakly Nonlinear System Using Second Order Hammerstein Series
Lining Tan, Hongguang Ma, Libin Lu

A 3D Architecture Analysis and Modeling of Long-staple Cotton Development
Chunjing Si, Zhenqi Fan

A New Interpolation Algorithm and Its Application to the Multimode Feed Network
Huawei Zhan, Haigang Yang, Juntao Li, Yufeng Peng

Detection of Voltage Synchronization Signals for Vehicle to Grid Charger in Unbalanced Grid Condition
Kewei Cai, Ninghui Wang, Guofeng Li, Shuai Zheng
Pulse-width Measurement Location Method Based on PN Code for Fourrotor Helicopter Detecting Bridge ................................................................. 86
   Dengyuan Xu, Shuzhen Pu, Shixun Wu, Xiaoqin Qin

Auto Rate Dynamic Channel Assignment Protocol in Ad Hoc Networks .......... 94
   Dengyuan Xu, Xiaoqin Qin, Shuzhen Pu

Analysis of design rule of Capacitor Energy Storage Parameters for Servo Press ................................................................. 102
   Wenqi Lu, Yunqing Sheng, Hu Liu, Xudong Hu, Weimin Shi

Aberrant Point Clustering and Elimination of Vibration Signal ....................... 110
   Ye Qingwei, Wang Dandan, Zhou Yu

Liver CT Multiphase Image Registration and a Fast Algorithm for Its Numerical Approximation ................................................................. 119
   Meng Lu

The P2P Content Distribution Network Model Based on Personalized Recommendation ................................................................. 128
   Huang Yongsheng, Du Huamei, Zhang Genglu

Complicated Filter Design of Nonlinear Systems Controller Based on Computational Mathematics ................................................................. 137
   Jiqing Zhao, Fang Shen

Crack Detection of PC Beam Surface Based on Curvature ......................... 145
   Guo Chunhua

Evaluation Model of Emergency Logistics Capability based on Enter-Point Triangle Whitening Weight Function ................................................................. 153
   Zhen-hua Gao, Shao-jie Duan

Fast Arithmetic for Deuring form Elliptic Curves ................................................. 160
   Hongfeng Wu

Measurement of Real Estate Bubble Based on Jump-diffusion Option Pricing Model ................................................................. 167
   Xu Huafeng, Li Lingling

An Application of Attribute Recognition Theory in Ecological Safety Evaluation of Coal Resource-Exhausted Cities ................................................................. 175
   Xiaoyan Tao
Local Color Transfer Algorithm Based on CTWC and the Application in Styled Rendering of Yunnan Heavy Color Painting ........................................................ 183
Yuanyuan Pu, Weiwei Li, Zhenpeng Zhao, Wenhua Qian, Dan Xu

Turnover Decision-making Based on Complex Network ——Stackelberg Game Angel ................................................................. 191
Jing WEI, Ruixiao SONG, Junchao FENG,Zan XU, Qinfen SHI

Study of FCLSD Algorithm Performance Based on LTE System .................. 199
Liu Kewen, Liu Quan

A Study about Consumer Online Shopping Risk ........................................ 208
Wang Wenchao

A Framework for Information System Planning ........................................ 214
Hong Yan, ZhongHua Yang

Joint Location and Velocity Estimation for High Speed Target in Multi-Carrier-Frequency MIMO Radar ............................................................. 223
Jinli Chen, Jiaqiang Li, Yanping Zhu

The Game Model of Cost Risk Management for “Giant Project” under Asymmetry Information .......................................................... 230
Hailing Sun, Xuwei Li, Andy Carr

Analytical Hierarchy Process and Fuzzy Comprehensive Assessment- Based Technical Analysis on Ocean Standards Assessment ...................... 239
Wu Yue, Lu Wenhai, Chen Hua, Yuan Lingling, Xu Chunhong

< PART 2>

Empirical Study on the Influence between Logistics Information Capabilities and Supply Chain Performance ........................................ 247
He Xiaolan, Yang Haifeng

Investigation and Assessment on the Network-based College English Teaching Mode ...................................................................................... 256
Jin Chengxing

Online Estimation Research of Transmission Line Parameters Based on the Data of Both Ends ............................................................. 265
Wang Qiang

A Novel Virtual Network Embedding Algorithm Based on Improved Artificial Fish-Swarm .......................................................... 275
ZHU Qiang, WANG Hui-qiang, Feng Guang-sheng, LV Hong-wu, WANG Zhen-dong
Microscopic Modeling of Solid Grains Transport in Turbulent Flow over a Porous Medium
Guo Qing Jing, Jiong Zhang

A Leak Detection Method Based on Semantic Knowledge Representation and Derivation Model
Ning Wang, Guohua Liu, Guangjun Song, Danni Shi

An Approach for Roaming among Multiple 3D Digital Space Layers by Mouse
Dingju Zhu, Wangxian Yang

A comprehensive Calibration Algorithm based on Inertial Frame for Single-axis Rotation SINS
Gao Wei, Che Yan-ting, Yu Fei, Ben Yue-yang, Jia He-ming

An Oriented Environment Monitoring Application Wireless Sensor Networks Schedule and Deployment Mechanism
Bing Yu, Jing Tian, Dan Yu, Shilong Ma

A Novel Synchronization Scheme for CDMA PON Based on Periodic Parallel Code Acquisition
Yingying Cao, Liqian Wang, Xue Chen

The Optimal Design and FPGA Implementation of Viterbi Decoder
Hexi Liang, Hucheng Xie, Lei Liu, Fei Ye, Weijin Zhang

The Application Research of BP Neural Network Algorithm in the Automotive After-sales Service System
FAN Li-lin, ZHU Xiao-jing

Study on Building Suppliers Network of Electrical Manufacturer with Uncertainty
Wang, H. L., Yang, W. B., Zhu, C.H

The Research on New Energy Vehicle Battery Management System in the Embedded Data Acquisition System
Xu Chaosheng*, Yan Guizhen, Li Jin

Reliable Distributed Data Storage Algorithm for UWSN
Xiao Yulong, Fan Mingyu, Wang Xiaoqing, Jiang Haibo

A New Algorithm for Computing Exact Minkowski Sum of Convex Polyhedral
Buying Zhang, Xijuan Guo, Qing jia Geng, Hai wen Yin
Fuzzy Multi-level Hierarchy of Interdependent Criteria Decision Making and its Application to Nuclear Emergency Management ......................................................... 391  
Wei Zhong Yang, Yong Li

Color and Materials Preferences of Experiment Mice for Bedding: Evaluation Using Radiotelemetry ................................................................. 402  
Ma Keshi, Xi Xingzi, Liu Kun, Li Lili

PIP Algorithm Based on Monolithic Calculation for Included Angle of Half Plane Continuous Chains .................................................................................... 412  
Jian DING, Qing WANG, Guobing LIU, Ting RUI, Jingdong WANG

Distributed Anomaly Detection Based on Model Sharing ........................................ 419  
Hao-Dong Zhu, Hong-Chan Li

Financial Distress Prediction Based on SVM Multi-Classification .................. 426  
Lu Yong-yan

Evaluation of LEACH Protocol for Different Wireless Sensor Nodes Deployment .............................................................................................................. 433  
Farah A. Nasser, Haider M. AlSabbagh

Comprehensive Evaluation of the Undergraduate Career Decision-Making based on Cloud Gravity Center Model and Fuzzy Extended AHP ................. 439  
Xinjuan Zhang, Shanshan Liu, Xingping Zhang, Liyan Ji

Research on Three-dimensional Integrated Visualization Architecture Based on Virtual Globe and Service-Oriented Architecture ................................ 449  
Wang Xianghong, Liu Jiping, Xu Shenghua, Wang Yong

Data Analysis Considering Psychological Factors for Abnormal Behavior of Borrowing Book in Library ................................................................. 458  
Li yan

Research on the Path to Forming WBS in Cloud Manufacturing Environment ........................................................................................................... 467  
Nan Ren, Meng-wan Cao

An Integrated Analysis and Systematic Simulation of the Relationship between Industrial Innovation and Enterprise Scale Structure - Evidence from Equipment Manufacturing of Liaoning China ................................................. 476  
LI Yu, LIN Jingjing
PART 3

A Study in Bayesian Investment Performance Evaluation Methods: The Case of China’s Private Funds. Wu Xin, Liu Jian-he, Xiao Liang

Optimal Pricing Strategy for NYOP Retailers under the Condition of Randomly Estimated Price Range by Customers. HU Yan, HUANG Shenze

9752- I Beam Reinforcement Calculation of Speed. Dinghai Li; Wei Tang; Keyue Zhang, Xiong Xiong

Multi-Stage Competition Diffusion of the Advanced Manufacturing Mode Under the Influence of Government. Chaogai Xue

Research on the Model of Physical Education Activities based on Cognitive Exercises. Zeng Min

The Design of Reactive Power Compensation Controller based on DSP. Zhao Ming, Tang Jiajia

Tone Recognition in Mandarin CALL System. Yang Qu, Yue Lu, Patrick S P Wang, Xin He

Comparison of Face Recognition based on PCA and 2DPCA. LI Min, LIU BO, WEI BIN

Displacement Analysis of Plain Dent on Pipeline Based on FE Calculation. Wu Ying, Ma Jun, Liu Wu, Lei Mao Juan

The Design and Research of a New Instrument for Lower-limb Rehabilitation. Yan Chu, Liang Chen, Xiao-ming Feng, Yan Shao

Research on Structural Dimensions of Ethical Dilemmas in Enterprise Human Resources Management in Chinese Context. Ai-min Yan, Ge Li, Hao-rui Huang

Based on the "Huang Di nei jing"’s Qingzhi Theory to Adjust Chinese Enterprise Gerent’s Rage Mood. Wen Li, Liu Meng, Tao Xiangang, Niu Shuping
Successful Criteria for Sustainable Large Scale Infrastructure Projects in China: Construction Practitioners’ Perspective ................................................................. 589
Xiaolong Gan, Shirong Li

Real-Time Bridge Monitoring Based on Three Dimensional GIS ...................... 597
Liu Baoshun, Dou Wenjing, Zou Qi

The Discussing and Practice for Computer-aided Industrial Design Teaching .............................................................................................................................. 604
Song Qiang

Study on QoS of Integrated Services Network Based on IPv6 .............................. 612
Liu TieWu, Zhang TieNan

TilingArt: an Interactive Evolutionary Design Tool ............................................ 619
Jing-Yuan Hu, Yang Li

The Application of SAS of Cluster Analysis in the Software Test Projects .......... 626
Chen Xinhui, Zhu Zhanglin

Demonstration Analysis of Corporation Valuation in China GEB Market .......... 637
Wang linan

Tension Control of Digital Web Winding System Based on Dynamic Bayesian Network Model .......................................................... 646
Qu Chengming, Wang Guanling, Zhao Fa, Sheng Fang

Web Services Comprehensive Evaluation based on QoS Ranking and Standard Value ....................................................................................................................... 655
Youxiang Duan, Fuchang Xu, Cheng Ma, Chao Wang

Research on Taxi Monitoring Network Model Based on Cloud Computing ..... 667
Shu-mei Liu

On Radiation Source Identification Based on Grey Risk Group Decision-Making Method ......................................................................................................................... 675
LIU Zhen-xing, JIANG Ning, SHAO Xiao-fang, Du Yuan

The Dynamic Mechanism of Resource-based Industrial Cluster .................... 682
Jin Lei, Feng Liang, Wang Jingxian

Study on the Preservation Technique of Myrica rubra for Long Distance Transportation by the Cold Chain Logistics Carriage Structure and Temperature Control ................................................................. 690
Li Qiang, WU Jian
Study on Inter-stage Incentive Mechanism of Logistics Service Supply Chain with Altruism
ZHU Wei-ping, LIU Wei, HUANG Zu-qing, ZHANG Bao-you, YANG Yu-xiang

The Existence Research on Nontrivial Solution of Linear Biharmonic and Asymptotic Equations
ZHANG He, YUAN Bo, LIU Jie

Research on the Comprehensive Evaluation of Bridge Project Management Quality
Zhou Yong-chao

Research on Dynamic Coupling model of Physical Education Based on the psychological Center Theory
SUN Ling-ling, Luo Qiang

Knowledge Reduction based on Cognitive Model of Granular Computing
Tang Xiao, Shu Lan

Research on the Characteristics of Human Health Based on Diet Custom and Physical Exercise Mechanism
Shi xue

< PART 4>

Technical Study of Wireless Communication Module Based on nRF905 for Vehicle Anticollision
Wang Xiao li

The Application of Particle Swarm Algorithm based on the Global Optimal Position Mutation in Maximum Entropy Image Segmentation
Chen Wenge

Bus Scheduling Combination and Headway Optimization of a Bus Lane Line
Hao Xiaoni, Jin Wenzhou, Yang Yazao

A New Method on Dynamic OD Analysis for Urban Traffic Flow
Chen Ning

A Feasible Algorithm for Globally Solving Non-convex Quadratic Programming Problem with Non-convex Quadratic Constraints
Donge Bao, Jing Chen, Jingben Yin

Effects of Soil Drought Stress on the Accumulation of Alkaloids and Flavonoids in Motherwort
Huanyong Wei, Lin Li, Xiufeng Yan, Yang Wang
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advantages and Primary Ways to Develop Low Carbon Economy in Jiangxi Province</td>
<td>804</td>
</tr>
<tr>
<td>Gu Shusheng</td>
<td></td>
</tr>
<tr>
<td>Optimization of Cold Forging Process and Design of Precision Progressive Die for Cam</td>
<td>812</td>
</tr>
<tr>
<td>WANG Lei, HU Dao-chun</td>
<td></td>
</tr>
<tr>
<td>Design and Implementation of Long Distance Physical Education Software Platform in Information Technology Context</td>
<td>820</td>
</tr>
<tr>
<td>Junqian Liu</td>
<td></td>
</tr>
<tr>
<td>Creation and Application of “Experiment Teaching Assistant”</td>
<td>828</td>
</tr>
<tr>
<td>Han Hongpeng, Zhang Hong, Zhang Liqin, Hao Qingmei, Yang Xue, Liu Chunlei, Xing Wenhui, Wang Ding, Fu Ruimin</td>
<td></td>
</tr>
<tr>
<td>Water Quality Prediction by Artificial Bee Colony Algorithm and Support Vector Machine</td>
<td>836</td>
</tr>
<tr>
<td>Du Jing, Tao tao</td>
<td></td>
</tr>
<tr>
<td>The Design and Application of High-speed Cutting Database System in Typical Aero-engine Parts</td>
<td>842</td>
</tr>
<tr>
<td>Yongzhong Wang, Minli Zheng, Jinglan Guo</td>
<td></td>
</tr>
<tr>
<td>TLM Analysis Based on Thin Line Model Feed Structure</td>
<td>851</td>
</tr>
<tr>
<td>CHEN Zhong-xiao, JIANG Jun-sheng, LI Yan-fang</td>
<td></td>
</tr>
<tr>
<td>A Theoretical Model of the Driving Force and Outcomes of Online Customer Participation: From a Relationship Marketing View</td>
<td>858</td>
</tr>
<tr>
<td>HUA Ying, CHEN Jin</td>
<td></td>
</tr>
<tr>
<td>The Impact Evaluation of QE3 on Gold Section Stocks of China Based on Event Study</td>
<td>866</td>
</tr>
<tr>
<td>Liao Wenqiang, Bai Caiquan, Jiang Zhengyi, Lv Jichao</td>
<td></td>
</tr>
<tr>
<td>Performance Prediction Study on Complete Set of Individual Aerobics Movements under New Rules Based on Neural Network</td>
<td>874</td>
</tr>
<tr>
<td>Wenxin Xu, Jiwei Yao</td>
<td></td>
</tr>
<tr>
<td>Study on Motion Characteristics of College Athletes Based on SEMG</td>
<td>883</td>
</tr>
<tr>
<td>Zixin Zhu</td>
<td></td>
</tr>
<tr>
<td>Research on Power Line Carrier Technology for the Intelligent Drill Pipe</td>
<td>892</td>
</tr>
<tr>
<td>GE Liang, SU Fu, HU Ze, LI Qiang, Chen Rong</td>
<td></td>
</tr>
</tbody>
</table>
Improvement and Realization of Rete Algorithm for the Dynamic Evolution of Software System .......................................................... 901
DanFeng WU, GuangPing ZENG, JingYing YAN

Research on Logistics Management and Strategy in Supply Chain for Efficiency Improvement .................................................. 909
Honglan Jiang

A novel Method for Data Mining and Classification based on Ensemble Learning ................................................................. 916
Li Han

Improved FAHP Method for Accounting Teaching Evaluation in High Vocational College ............................................................. 925
Luo Pingshi

Application Research based on Intelligent Computation for Cloud Computing Resource Scheduling ................................................. 933
Meng Xiaoli

Learning Strategy for Bayesian Network Parameters and Simulation Analysis .................................................................................. 941
Sun Yuan, Wang Qian

Landscape Ecological Planning Method based on Hybrid Neural Network ...... 950
Shuhua Wang

The Research on Solving Sand Column Dispersion Data Modeling of Nonlinear Optimization .......................................................... 958
Wang Xiao-xia

Teaching Quality Evaluation Model by Fuzzy Regression Model for College Physical Education ......................................................... 965
Wang Zhe

Multi-class Classification Problems Analysis on Evaluation Indexes of College P.E Teachers .............................................................. 973
Wu Lanhui

Research on Sports Training Decision Support System Based on Multi-Agent .......................................................... 981
Xing Zhong-you

Model of Sports Products Logistics Distribution Center and Its Optimization Solution .................................................................................. 990
Xiong Wei, Yang Cheng
Application Research of Clustering Analysis based on Artificial Fish Swarm for the Sports Performance Management

Zhai Xiang

999

Application Research of Data Mining In Sports Grade Management System

Zhang Li Li, Liu Jin Feng

1007

< PART 5 >

A Strategy for Packets Loss Statistics based on Marker_Interval in Congestion Network

Zhao Jie

1015

Research on Sustainable Development of Competitive Sports Comprehensive Assessment with Intuitionistic Fuzzy Information

Zhiyong Wang, Shengfang Zhang

1024

Research on Sensor Network Self-deployment with Virtual Attractive and Repulsive Forces

Wei WANG, Xiaodian HUANG

1031

Growth, Venture Capital and Over-Raising Funds in IPO: Evidence in China Growth Enterprises Market

XIAOHUA ZHOU, WENXIU TANG, WEIWEI CHEN

1038

A New Method of Profile Control—Using Modified Starch Gel to Carry out Positioning Profile Control in Oil-Water Front

TUAN Guang-yu, HOU Ji-rui, WANG Shao-peng, LIU Gang, XU Hong-ming, YANG Ji-xian, REN Tao, CAO Shu-jun

1047

Application of Ecological Adaptation Evaluation of Orthoptera in Daqinggou Nature Reserve Using SPSS

Liu Chunming, Meng Tao, Ren Bingzhong

1055

Study on E-commerce Based on Theory of Dissipative Structure

Ming Jiang

1064

A Survey of Delay Tolerant Technology in Internet of Things

Qianmu Li, Ming Zhu, Xudong He, Yong Qi

1072

Energy Efficient Intelligent Real-time Scheduling Algorithm for Wireless Sensor Networks

Zhao Kai

1081
Research on Probability Estimation in Streaming Media Feedback Control
Algorithm and Application 1089
Jin-Ping Chen, Yu-Hui Liu

Classification Rule Constructing based on Data Mining to Promote English Teaching 1097
Jiang Feng-hua

Real Estate Appraisal Research based on Artificial Neural Network 1105
Lina Li

Analysis and Empirical Study on Spatial Correlation of Service Industry Agglomeration 1113
Liu Dayong, Li Cuixia

National Garden City Tourism Environmental Capacity Prediction based on Artificial Neural Network 1121
Liu Tiedong

Face Detection System Design based on S3C2440 1129
Sun Yuezhongyi

Research on Urban Agglomeration Effects of Center City Traffic Facilities 1137
ZHANG Zhen

Mediating Effect of Personality between Values and Subjective Well-Being of the Contemporary College Students 1143
WANG Zhen, CHEN Jianping

How and when does the Leader-Member Exchange Influence Team performance: An Analysis based on Information System Development Teams 1152
Ni Yuan, Lin Jian

Feature Selection Based on FDWAIG Algorithm 1160
Song Guo, Youcong Ni

Fractured - Vuggy Genesis Model of Middle - Lower Ordovician Carbonate Rocks in Tahe Oilfield of Trim Basin, Western China 1168
Ying LI

An Empirical Study on the Relationship among Corporate Social Responsibility, Brand Image and Perceived Quality 1177
Yi Li, Jianying Hu, Jing Liu, Xiaoping Liu, Xianming Zheng
Development of Fully Automatic Expert System of Power Grid Operation Mode
.............................................................................................................................. 1185
Zhenfeng Xiao, Yilong Chen, Xiangtian Deng, Qin Li, Pilong Guo

An Agent Based Model for Simulation of Price War in B2C Online Retailers
.............................................................................................................................. 1193
Xiaowen Liu, Zhihao Tang, Jin Yu, 1Na Lu

The Combination Algorithms of Joint Detection and Decoding ......................... 1203
Liling Xie, Huayu Zhou

The Operation Framework Mechanism Design of Public-Private Partnership
Model of Public Rental Housing ........................................................................... 1210
Xueqing SHAN, Xueqin WANG, Yongzheng MA, Chuannming WU

A Waveform Interpolation Based Packet Loss Recovery Technique ............... 1220
Yong Zhao, Ruchong Cheng, M.N.S. Swamy, Xin’an Wang

Economic and Statistical Analyses of Port Competition within the Shanghai
International Shipping Hub .................................................................................. 1230
Nan Liu, Hua-dong Gan, Sha-lei Zhan, Su-fen Chen

Enterprise Safety Emergency Management Effectiveness Evaluation Studies
Based on Projection Pursuit .................................................................................. 1243
Shi Li-ping, Yan Hong-bo, Peng Jian-qiang

Research on Green Transportation based on Commercial Complex .......... 1253
Yezi Dai

Empirical Study on the Relations between Organizational Justice, Employee
affection and Employees’ Sense of Accomplishment ......................................... 1260
Fei Guan