TABLE OF CONTENTS

A Novel Segmentation Algorithm of Fingerprint Image.....1
Jingyan Min and Hongbing Chen

A Resource Discovery Algorithm based on Overlay Network for Wireless Ad Hoc Network.....5
Li Zhang and Jin Zou

How the Interaction of Product Type and Online Review Valence Affects Online Review Usefulness:An Empirical Study Based on Amazon.com.....10
Wenjun Sun,Lei Zhang and Qiang Ye

Elastic Constant Used in Continuum-based Adhesion Models.....15
Kangqi Fan,Haidong Huo and Bo Wang

Ship Stowage Scheduling of Container Terminal by Combinatorial Optimization Algorithm and Strategy.....19
Lei Shi,Wen-bin Hu,Zheng-bing Hu,Bin Lu and Peng Luo

Hybrid Collaborative Filtering based on Rating and Tagging Information.....26
Song Wang and Dehua Xu

Ship Loading Scheduling Strategy of Container Terminal with Heuristic Greedy Algorithm.....30
Peng Luo,Wenbin Hu,Zhengbing Hu,Bin Lu and Lei Shi

Analysis the Effect of IMU Calibration Errors on SINS/GPS Integration Accuracy for Airborne Earth Observation.....38
Xiaolin Gong,Rong Zhang,Maiying Zhong and Baiqi Liu

KPCA-Kalman Filtering For The MEMS-SINS/GPS Integrated Navigation System.....43
Fan Zhao,Guizhong Liu,Ning He,Haitao Zhang and Xing Wang

Joint Polarization Information for Fast Multi-Target Localization in Bistatic MIMO Radar System.....47
Yu Zhang,Hong Jiang and Shu-Ting Song

Cultural Algorithm for Level Set Image Segmentation.....51
Guanghui Dong,Zhihong Xi and Yihan Xiao

Calculation of VFTOs Caused by Multi-reignitions of Disconnector.....55
Chong Shao,Yu Yang and Zanji Wang

Acupuncture EEG Time Series Decomposition Based on State Space Method.....59
Chongqing Hao,Jiang Wang,Bin Deng and Xile Wei

An Improved Zooming Algorithm for Mobile Realtime Video.....63
Xingming Zhang,Hongyan Lee and Weisen Wu

An Efficient Connection Table in High-speed Networks.....67
Zhenhui Li,Jinyuan Zhao and Bing Xiong

A Fast Interest Points Matching Method Based on Retinex Model.....71
Shuo Chen,Li Wang,Chengdong Wu and Dongyue Chen

Gray Moment-based Precise Sub-pixel Edge Positioning of Mask - Silicon Image.....75
Jing Yang,Guohua Peng and Zhenmin Zhao

Pavement Crack Extending and Connecting Detection Algorithm Based on Direction Feature and Gravitational Model.....79
Baihua Lu,Chengdong Wu,Dongyue Chen,Li Wang and Yunzhou Zhang

Research on Train Automatic Speed Control Strategy Based on Fuzzy-predictive Control Method.....83
Rong Hua,Guoping He and You Fu

Detection of Abandoned/Removed Objects in Video Surveillance System.....87
Xiao-jian Huang and Dong-yong Yang

Research on Site Selection of Thermal Power Plants Based on Improved TOPSIS.....91
Kai Tang and Liang Yan

An improved Min-Max Differential Compression Method Based on Template.....95
Jin Shang

Parametrical Optimization of a Random Number Generator for Digital Image Halftoning.....99
Huawei Duan and Guangxue Chen

Privacy-Preserving Outlier Detection over Arbitrarily Partitioned Data.....103
Lu Li,Liusheng Huang and Wei Yang

Dynamic Design Technology of Missile Launch Systems.....107
Yujun Chen and Yi Jiang

The Studies of Grinding Granularity Prediction Model Based on RBF Neural Network.....111
Hongwei Zhao,Yiming Qi,Yuan Zhang,Weifeng Liu and Jianhao Gu

A Self-learning Based Opinion Mining System for Chinese E-Commerce Website.....115
Tianyi Song, Xuan Tian,Dongmei Li and Shengyun Sun

A Routing Algorithm Based on the Node Topology Change.....119
Caijun Chen and Rui Liu

Research on e-Commerce Identity Authentication System Based on Improved One-Time Password.....123
Changquan Wang

Image Enhancement Based on Artificial Bee Colony Algorithm and Fuzzy Set.....127
Zhiwei Ye,Mengdi Zeng,Zhengbing Hu and Hongwei Chen

Study on Colors of High-voltage Electricity Transmission Towers Based on Computerized Graphic Simulation.....131
Chuanyin Yin and Jing Zhou

An Algorithm Implementation about SVR Based on Spider.....137
Fei Yang and Tonglai Liu

IT-Room Environment Monitoring-Oriented Situation Awareness Model.....141
Songmei Zhang,Guanghui Yin,Tiezheng Zou and Weidong Liu

Considering Effects of Non-linearity and SNR level of Multiple Inputs on Prony Algorithm for Electromechanical Mode Identification.....145
Ke Zhang and Shijun Zhang

Stability of a Class of Nonlinear Stochastic Large-Scale Systems with Time Delay.....150
Jizhong Shi,Jiye Zhang,Pengyun Song and Yanqiu Chen

An Optimal Model of Repair/Remanufacturing Reverse Logistics Network Under Uncertainty.....154
Zhang-qiong Wang,Yaya Yi and Huo-qiao Huang

Research on Production Decision-making Model in MRHS with Production Substitution.....158
Zhang-qiong Wang,Xiao-li Yuan,Cheng-fang Wang and Guo-gang Yuan

A New ID-Based Proxy Blind Signature Scheme with Message Recovery.....162
Tingting Kong,Qiuliang Xu and Zhiqiang Wong

The Information Security System of Commercial Bank Based on Cloud Computing.....166
Xue Li,Xuetong Wang and Jingyi Bai

Modeling and Simulation of Coal Gas Concentration Prediction Based on the BP Neural Network.....170
Lei Xu,Zhen Zhang,Sheng Ye and Guilin Lu

The Research on Supply Chain Partners Optimization Based on Dynamic Index Set.....174
Zhipeng Li,Wenguo Ai and Hao Zhang

An improved numerical solution method for interval quadratic programming.....178
Tao Peng and Huiling Duan

Task allocation and Load balance on Multi-core processors.....182
Liang Huang and Man-man Peng

A Hybrid Segmentation System of Offline Arabic Mathematical Expression Recognition.....186
Khalifa Mahmoud and BingRu Yang

High Performance Exploratory Accessibility Mapping.....190
Ming Yang,Tong Zhang and Qinghua Qiao

Game-theoretical Analysis of a Pure-play E-tailer's Entry Strategy.....194
Liangliang Chen and Shouming Chen

A Gerber-Shiu Discounted Penalty Function in the Stationary Renewal Risk Process.....198
Ling Tang

The Research of Cascade Speed-Adjusting system of Induction Motor based on Digital Control.....202
Guangqun Nan and Songbai Huang

Design and Application of An Interactive Web-based Teaching Platform.....206
Biao Yang,Hao Li,Rongchun Zhang and Li Dong

Multi-scale Dynamic Representation for Geographic Process Cognition.....210
Mingyuan Hu,Hui Lin,Weitao Che,Bingli Xu and Ya Hu

Design of Model Management System Architecture Based on Model Net.....214
Yingqun Zhao and Changsong Qi

Unique Consumption or Status Consumption: the Impact of Face on Symbolic Consumer-Brand Relationship.....218
Changzheng Wang,Xuechun Zhou and Nan Cui

A Method for Software Testing Based on Deterministic Finite Automata Machine.....222
Hongmei Mao and Hong Cai

A Novel Encryption Algorithm of Discrete Chaos Theory.....225
Haixia Li and Chuiwei Lu

Research on the Method of Attributes-based Cross-domain Access.....229
Fu Wang and Jiajing Zhou

Research and Application of Genetic Algorithms on Test Paper Strategy.....233
Xin Zhang and Mianrong Yang

The Effects of Boundary Management on Effectiveness of Team.....238
Guanfeng Shi and Zhiyang Lin

Machine Learning to Judge Labor Relations' Harmoniousness Based on Decision Tree-based Method.....243
Tianxue Chen and Heqing Yang

A Research on Ant Colony Algorithms to Solve TSP.....247
Honghua Wu,Jun Chen,Guifang Wu and Qinglong Tu

Risk Control for Labor Relations Based on BP Neural Network.....251
Tianxue Chen and Wenli Jiang

A Discussion on Applicable Supply Chain Ontology Development.....255
Jian Yang,Yongbing Jiao and Mingxia Zhao

An Empirical Analysis on Measurement of Operational Risk Based on Income Model and Model of Basic Indicator Approach.....259
Zhiguo Xing and Rijia Ding

Higher Education, Employment, Wage and Economic Growth in China.....263
Guoai Gu and Dazhou Tian

Research of a novel Phase Shift Full Bridge PWM DC/DC Converter.....269
Guangqun Nan and Tianfeng Ye

Study on Incentive Mechanism of R&D Personnel for Knowledge Sharing Behavior.....273
Ying-wen Pan and Jing Yang

Using Simio for Wartime Optimal Placement of Casualty Evacuation Assets.....277
Kai Zhang,Ruichang Wu,Jeff Zhou,Haijian Du and Xiaofeng Zhang

E-commerce Strategy in the Age of Business Ecosystem.....281
Fengxiang Li,Zheng Qin and Huan Li

Model validation of component library system based on Service-Oriented Architecture.....285
Siping Xu

The Research on Multi-child Genetic algorithm Based on Clustering Selection.....289
Zhongwei Xu and Wei Wang

The Mean-square Ergodicity for Covariance Stationary Process.....293
Ling Tang

Application of Fuzzy Clustering algorithm in Intrusion Detection System.....297
Yun Li,Jiefang Wu and Xuecheng Liu

Manufacture/Remanufacture Closed-loop Supply Chain Network Optimization Model and Algorithm under Uncertainty.....301
Zhang-qiong Wang,Ling Yin,Shi-qin Tan and Long Yang

On the Similarity of Test Paper in the Intelligent System of Test Paper Composition.....305
Wenqing Qi

Study on Appraisal of Environmental Suppliers in Closed-Loop Supply Chain Based on DEA-AHP.....309
Zhang-qiong Wang,Liu-sheng Xu,Li-ming Zhang and Hui Chen

Protect Voiceprint Template Based on Chaff Matrix.....313
Wen-Hua Xu and Fa-Ling Yi

A Trust-evaluation Model Based on The AHP Approach.....316
Honglin Li,Yihan Guo,Yang Zhang and Tao Hu

Distance Online Education System Based on P2P Streaming Media Technology.....320
Hao Xiong and Zhihong Wang

Dynamics of Business Ecosystems:A Case Study of Alibaba.....324
Sihang Zhang,Yihan Guo,Yang Zhang and Tao Hu

The System Dynamics Research on Information Asymmetric Control orienting Network Intermediaries.....328
Qingguo Wang and Lin Wang

Research on Application of the SCM Communication with TCP/IP.....332
Xianhao Miao

Based on Factor Analysis of Listed Power Company Financial Profit Ability Analysis.....336
Qunli Wu, Chanjuan Hao and Tong Lian

Research on Third-party Payment in E-commerce of China.....340
Sheng Zhou,Bangdong Sun and Nan Jiang

Research on Fitting Model of the Human Body Based on Remote Image Feature Recognition.....344
Honghua Zhang and Peng Ji

The Time of Ruin for A Dual Risk Model.....348
Ling Tang

A Case Research in the Role of Web 2.0 Technology in Enhancing Learning Outcomes in China.....352
Yang Xue and Bo Wang

Risk Assessment of Network Audit Based on Fuzzy Entropy Weight.....356
Lixian Xing,Huilian Huang and Bin Han

Multimedia Courseware Design and Application in Basic Dance-Composition Teaching.....360
Xianyun Li

A Recommender Method Base on the Topic Description of Ant Colony Algorithm.....364
Ming-xiang He,Jiu-chuan Wei,Guan Li,Peng Liu and Wen Wen

Estimation of One-Parameter Exponential Family under Weighted Square Loss Based on Progressively Type-II Censoring.....367
Guolin Zhang

Ideas of Average Price on Metal Futures Hedging----empirical Analysis Based on Probit Model.....371
Zhangming Shi and Can Xu

Research on the Critical Issues in Web-Based Workflow Management System.....375
Qin Gao and Yang Fei

Analysis on E-commerce Transaction Costs of Agricultural Products.....379
Yan Zhuang

Study on the Competitiveness and Efficiency of China's Iron and Steel Industry Based on a Three-Double-Model.....382
Weida He and Huimin Dong

On the S3C2440-Based Design for Embedded System of Digital Photo Frame.....386
Li Yao

Analysis of Rank Reversal in MCDM with Normalizing Method.....390
Feng Kong,Xiao Zhang,Wei Zhang and Guo-ping Song

The Ratio of Supply Chain Integrated and Profit Distribution between Nodes with Production Rigidity and Stochastic Price.....394
Kai Hu and Xiaoqing Gan

Artistic Expression of Computer Graphics Technology in Three-Dimensional Film and Television.....398
Xinfan Ma

Design Dynamic Teaching Information System Based on JSP.....402
Junhua He

Studies in E-commerce Customers Trust Source and Trust Impact Factors.....406
Pingping Ge and Limin Zeng

Status,Problems and Solutions of Rural Labor Transfer in Poyang Lake Ecological Economic Zone - based on Six Counties'Survey Data.....410
Xuhua Pan and Kuo Gao

Feature Extraction of Vehicle Type Based on Wavelet and Hough Transform.....414
Mei Shao and Xianbiao Wang

The Application of Computer Aided Design in Plane Art Design.....417
Meng Zhang and Chuiwei Lu

Formalizing Context: An Survey.....421
Yu Sun and Zhiping Li

Pornographic Pictures Detection Based on SIFT Algorithm.....425
Siqi Chen,Yongjun Shen,Cuilin Liu and Jing Yu

Market Mechanism Discussion on Residential Building Energy–saving in Hot summer and Cold winter Zone.....429
Kewen Jiang and Jia Su

Design and Implementation of the Product Information Display System Based On .NET.....433
Huiyan Li and Xinhua Xiao

The study on the Self-rated Healthcare Status of Old people in China and Its Influencing Factors.....437
Yu-jiao Li

Optimization Study on Production Processes of Large Complex Projects.....440
Shengping Zhang,Shenjun Qi,Liang Shan and Chen Li

Business Performance Management Framework Based on Business Intelligence Platform.....445
Xin Tian and Yu-feng Zhang

Simulation Teaching of Power Electronics.....449
Guoqin Zhang and Yurong Wu

On E-commerce Operation Model Based on Cooperation of College-enterprise.....453
Hong Ding and Liangyong Huang

Research on Multimedia Teaching of Art Anatomy.....457
Zhaoyang Yin

The Application of Distributed Cloud Storage Based on GFS.....461
Song Tian

Analysis of the New Teaching Concept of Web Page Design from the Perspective of Virtual Experience.....465
Rushan Yan

On the Design Teaching of Digital Media Based Visual Dissemination.....469
Min Wang

Research on Reverse Logistics Strategies under E-Commerce Environment.....474
Hongliang Wang

Cultivation Path of Clothing Pattern Maker with Digital Technology.....478
Yan Liu

The Influence of Digital Technology on the Traditional Teaching Model of Painting in Colleges.....482
Shaobo Kong

A New Suppression Method of Main Lobe Mirror-Frequency Interference for Missile-Borne Pulse Doppler Radar.....486
Zhongzheng Cui,Songhua He and Jun Zhang

Cyclic Codes over Fq+uFq+vFq+uvFq.....489
Xiaofang Xu

A Study on Graphic Designing in Three-dimensional Animation Teaching.....493
Min Wang and Rushan Yan

Inevitable Trends of Development in Cloud Computing.....497
Anna Dai and Da Xu

Analysis of Competition among Internet Companies: the Case of 3q.....501
Yi He

Constant Tension Coiling Control Based on DSP.....505
Xuejun Ma,Jun Liu,Zaiming Wang and Daneng Pi

Secure Bidirectional Light-weight Authentication Protocol HB Protocol.....509
Jia-Yin Tian,Cheng Yang,Yi-Chun Zhang and Jian-Bo Liu

Study on the Architecture of Intelligent Warship's Total Ship Computing Environment.....512
Yelan He and Chen Hui

Display of Financial Indicators Using Tabletop Colors of ERP Sand Tables.....516
Xianming Liu and Li Tang

Free & Paid: Choice of Business Model in Traditional Business and Electric Business.....520
Guoyou Zhang

The Development of Integrated Capability in the Education of Environmental Art Design.....525
Yu Qiu and Jing Qiu

Construction of Multi-dimensional Teaching Model Based on Computer Multimedia Network.....529
Hongyun Liu

Economic Analysis of Indirect Trademark Infringement Liability in E-commerce: Using Taobao.com as an Example.....533
Baohua Li

Research on Specialized Art Education of the Multimedia Art Teaching in Normal Universities.....537
Chongzheng Tan and Xingang Cao

A Wavelet Transform Based Self-adaptive Watermarking Algorithm for Color Image.....541
Lu Lv