

2008 ISECS International Colloquium on Computing, Communication, Control and Management

(CCCM 2008)

**Guangzhou, China
3-4 August 2008**

Pages 1-709



IEEE Catalog Number: CFP0848E-PRT
ISBN: 978-1-4244-3264-6

TABLE OF CONTENTS

Feedforward Neural Network Based on Convex Optimization Theory and Its Application on Urban Information Extraction from Remote Sensing Images	1
<i>Wenchen Jia, Shiwei Ye, Juanle Wang, Cheng Wang, Xiangyun Jia, Fuyin Li</i>	
Hybrid Ant Colony Algorithm for the Vehicle Routing with Time Windows	6
<i>Tong Zhen, Qiuwen Zhang, Wenshuai Zhang, Zhi Ma</i>	
A Positive Preprocessing Framework for Mapping Traditional Replica Selection Algorithms	11
<i>Jianhua Jiang, Gaochao Xu, Xiaohui Wei, Ruihong Zhou</i>	
A Game-Theoretic Resource Allocation Strategy with Purification Approach for Computational Grids	16
<i>Hang Qin, Lin Qiu</i>	
A New Data Assignment Mechanism Based on Genetic Algorithm in P2PVoD System.....	21
<i>Fang Xia, Xingwei Liu, Hui Zhao</i>	
Reducing the Complexity of Tone Injection Scheme by Suboptimum Algorithms	25
<i>Nima Reisi, Mahmoud Ahmadian</i>	
The Optimization of the Parameters and the Application of GM (1,1) Model	30
<i>Dahong Hu, Yong Wei</i>	
Research on Hybrid Applications of Intelligent Techniques with Neural Networks	35
<i>Luo Zhong, Cuicui Guo, Huazhu Song</i>	
Neural Network Based Parameters Whiten Method Study of Gray Differential Equations.....	40
<i>Luo Zhong, Cuicui Guo, Huazhu Song</i>	
A Background Reconstruction Algorithm Based on Modified Basic Sequential Clustering.....	45
<i>Mei Xiao, Lei Zhang</i>	
A Framework for Time Series Forecasts.....	50
<i>Dongqing Zhang, Yubing Han, Xuanxi Ning, Xueni Liu</i>	
Solution to Traveling Agent Problem Based on Improved Ant Colony Algorithm.....	55
<i>Jun Ma, Yu Zhang, Jianpei Zhang, Lili Cheng</i>	
Computing the Tenacity of Network Based on Genetic Algorithm	59
<i>Yue Wang, WanDong Cai, Qi Duan</i>	
Application of Wavelet Packet and Support Vector Machine to Leak Detection in Pipeline.....	64
<i>Liu Na, Zhao Yanyan</i>	
Research of Velocity Detection Based on the Adaptive Weighted Average Algorithm.....	68
<i>Cao Jie, Xu Wei</i>	
An Algorithm for Eliminating Duplicate Labels of a Labelled Petri Net	72
<i>K. S. Cheung</i>	
Composition of Augmented Marked Graphs and Its Application to System Integration	77
<i>K. S. Cheung</i>	
Research on Road Recognition Algorithm Based on Structure Environment for ITS	82
<i>You Feng, Wang Rong-ben, Zhang Rong-hui</i>	
Research of Parameter Adjustable Harmonic Signal Generator Based on DDS	86
<i>Wei Li, Jinbo Zhang</i>	

A Novel Approach for Segmenting and Classifying Shadow Image	90
<i>Rao Bin, Ci Shenggui, Chen Tiemin, Zheng Gang</i>	
Rice Recognition Using Multi-temporal and Dual Polarized Synthetic Aperture Radar Images	94
<i>Henglin Chen, Huiguo Li</i>	
Radiation Knowledge Based Gaussian Shadow Detection	99
<i>Chunyu Yu, Xing Zhang, Yong Zhao</i>	
Vehicle Detection Algorithm Based on Shadow Feature	103
<i>Shaohua Xu, Yong Zhao, Chunyu Yu, Ling Shen</i>	
Gabor Wavelets for Image Processing	108
<i>Wei Jiang, Ting-Zhi Shen, Jian Zhang, Yu Hu, Xin-Yi Wang</i>	
Enhanced Fractal-Wavelet Image Denoising	113
<i>Jian Lu, Yuru Zou, Zhongxing Ye</i>	
Image Inpainting Algorithm Based on Partial Differential Equation	118
<i>Zhongyu Xu, Xiaoli Lian, Lili Feng</i>	
Method of Image Retrieval Based on Fan-Shaped Isometric Division of The Target Image	123
<i>Cheng Jie, Zhao Jingxiu</i>	
An Approach of Color Image Edge Detection Based on Triangle Similarity	127
<i>Han Junjun, Zhao Jingxiu, Wang Mian</i>	
Three-Dimensional Computational Integral Imaging Reconstruction by Use of Pixel Blocks Interpolation	131
<i>Yu Wang, Dianren Chen, Yan Piao</i>	
The Sonar Image Denosing Method of Surfacelet Based on Sample Matrix	135
<i>Dandan Liu</i>	
An Improved Adaptive Image Denoising Method Based on Multi-wavelet Transform	140
<i>Bo Zhu, Hongzhi Wang, Liangliang Huang</i>	
Texture-Energy-Analysis-Based Image Recognition Algorithm for Identifying the Early Stage Tumor	145
<i>Yuanlie He, Ping Chen, Yangchun Chen</i>	
Edge-Based Image Completing Guided by Region Segmentation	150
<i>Minqin Wang, Guoqiang Han, Yongqiu Tu</i>	
Lossless Image Compression Based on DPCM-IWPT	155
<i>Hua Li, Yiming Zhu</i>	
Fault-Tolerance Mechanism of Computation Grid Service System Based on Mobile Agent	159
<i>Zhirou Zhang, Ying Li</i>	
Generalized Data Center Architecture Based on Network Storage and Backup	164
<i>Zhirou Zhang, Xiaohua Zhang</i>	
Double-Loop Hypercube: A New Scalable Interconnection Network for Massively Parallel Computing	168
<i>Youyao Liu, Jungang Han</i>	
Improved Distributed Tree Algorithm and It Application in CSCW-Based Group Communication	173
<i>Qu Zhiming Qu, Lijun Jiao, Libo Liu</i>	
A New Topology Aggregation Algorithm in Hierarchical Networks	177
<i>Jingjun Zhang, Yuanbin Han, Liguo Wang</i>	

Mechanism of a Resource Location Approach in Power-Law Networks.....	182
<i>Jing Li</i>	
Design and Implementation of IP-SAN Based on Third Party Transfer Protocols.....	186
<i>MingHua Jiang, Ming Hu, Jingli Zhou, Tao Peng</i>	
ftNoC: A New Architecture of Network on Chip with Fault-Tolerance	191
<i>Liguo Zhang, Huimin Du, Jungang Han</i>	
Research on Node Coding and Routing Algorithm for Network on Chip.....	196
<i>Xiaoqiang Yang, Huimin Du, Jungang Han</i>	
The GJCode(s, t): A Scalable Hypercube Based on the Combination Gray Code with Johnson Code.....	202
<i>Xiaoqiang Yang, Huimin Du, Jungang Han</i>	
A Resource-Centric P2P Network Model for Grid Resource Discovery.....	208
<i>Xiu-Ying Zheng, Gui-Ran Chang, Li Zhen, Wang Jian</i>	
A JXTA-Based Communication Model for OSGi Framework with Extension to P2P Networks	213
<i>Chuan Zhu, Guiran Chang</i>	
Collaborative Post-IDS Alert Analysis Based on Network Management Techniques	218
<i>Hui Xu, Debao Xiao, Xue Xia, Zheng Wu</i>	
Spatial Data Grid Framework Based on Super-Peer Network Model	223
<i>Lingkui Meng, Wenjun Xie, Changqing Huang</i>	
Research on the Application of Immune Network Theory in Risk Assessment	228
<i>Cai Shuqin, Wang Ge, Cai Hong</i>	
A Load Balance Algorithm for Hybrid P2P Network Model.....	234
<i>Fu Xiao-ling, Xu Ying</i>	
A New Enhanced Differentiated Services Protection Algorithm in WDM Optical Networks.....	238
<i>Xiaobing Zheng, Lei Guo, Xingwei Wang, Yu Zhang, Xuekui Wang</i>	
Comprehensive Evaluation & Research on Development of the Highway Network Based on DEA Theory.....	243
<i>Li Li, Jie Wan</i>	
Weighted Support Vector Regression Algorithm Based on Data Description.....	248
<i>Weimin Huang, Leping Shen</i>	
Image Semantic Information Retrieval Based on Parallel Computing	253
<i>Yun Ling, Yi Ouyang</i>	
A Method for Multi-criteria Decision Making with Linguistic Preference Information on Criteria and Alternatives.....	258
<i>Quan Li</i>	
A Fast Algorithm for Gene Expressing Data Bioclustering.....	263
<i>Wei Liu, Ling Chen, Ling Qin</i>	
A Reflective Information Model for Reusing Software Architecture.....	268
<i>Peng Ye, Shi Ying, Xiang-Yang Jia, Jun-Feng Yao, Ju-Bo Luo, Wen-Jie Yuan</i>	
Research of Synchronization Robustness in Video Digital Watermarking.....	274
<i>Xiao-shi Zheng, Yan-ling Zhao, Na Li, Guang-qian Liu, Wei Zhou</i>	
Perfusion-Ventilation Lung SPECT Image Analysis System Based on Minimum Cross-Entropy Threshold and Watershed Segmentation	278
<i>Yuanlie He, Ping Chen, Yangchun Chen</i>	

Objects Detecting Based on Adaptive Background Models and Multiple Cues	283
<i>Yuan Chen, Shengsheng Yu, Weiping Sun, Hongxing Li</i>	
Differential Media Delivering Strategy for Loss Tolerant Streaming	288
<i>Shengsheng Yu, Rongtao Liao, Jingli Zhou, Jing Yu</i>	
Constrained 2D Sketch Generation Based on Image Contour Detect	293
<i>Shen Ying, Chen Zhiyang, Cai Zhiyong</i>	
Image Retrieval Using Spatial Multi-color Coherence Vectors Mixing Location Information	297
<i>Liuying Wen, Guoxin Tan</i>	
Research on Semantic Retrieval System for High-Speed Railway Knowledge Based on Ontology	301
<i>Ziyu Liu, Lei Huang, Dongyun Xu</i>	
An Information Filtering Algorithm Based on Text and Complexion Detecting	306
<i>JianYing Xiong, LeiYue Yao</i>	
A New Integration Scheme of Robust and Fragile for Secured Digital Watermarking.....	310
<i>Lin Zhang, Fengyong Qian, Yi Gao, Yuesheng Zhu</i>	
An Improvement of Face Detection Using AdaBoost with Color Information.....	315
<i>Yan-Wen Wu, Xue-Yi Ai</i>	
Construction and Realization of a New Class M-Sequence	320
<i>Hong Lv, Min Xu, Gang Xu, Jun-chu Fang</i>	
Digital Image Processing Technique for Improvement in Triaxial Test and Numerical Modeling of Geomaterial	325
<i>Cheng Tao, Yan Ke-qin</i>	
Close Shot Photogrammetry for Measuring Wind-Drifted Snow Distribution on Stepped Flat Roofs	330
<i>Keqin Yan, Tao Cheng</i>	
Research and Design of Drawings Retrieval System Based on Spatial Relationships and Shape	334
<i>Haiyu Song, Pengjie Wang, Xiongfei Li, Houjie Li</i>	
A Multi-agent and Data Mining Model for TCM Cases Knowledge Discovery	339
<i>Zhengxiang Zhu, Wuqi Song, Jifa Gu</i>	
Extensible Land Use Classification Framework Based on Remotely Sensed Image Facing to Data Integration, Exchange and Sharing.....	345
<i>Wang Juanle, Jia Wenchen</i>	
An Approach to Incremental SVM Learning Algorithm	350
<i>Yuanzhi Wang, Fei Zhang, Liwei Chen</i>	
A New Method for Medical Image Registration Based on Wavelet Multi-scale Transform	353
<i>Jingquan Xie, Zaihe Chen, Guilin Xu</i>	
A Weighted Fuzzy Clustering Algorithm for Data Stream	358
<i>Renxia Wan, Xiaoya Yan, Xiaoke Su</i>	
Fast Mining and Updating Frequent Itemsets	363
<i>Chaohui Liu, Jiancheng An</i>	
An Efficient Algorithm for the Least Areas Path Problem	367
<i>Gaojun Fan, Shiyao Jin</i>	
Research on Collaborative Ontology Development Method Based on Lock Granularity	372
<i>Xia Shixiong, Deng Zhiwen, Zhang Lei, Yuan Guan</i>	

Modeling and Verification of SCTP Association Management Based on Colored Petri Nets	377
<i>Jizeng Wang, Shengcai Zhang, Fan Chen</i>	
Adaptive Spam Filtering Based on Fingerprint Vectors	382
<i>Weihong Liu, Weidong Fang</i>	
A Background Reconstruction Algorithm Based on Two-Threshold Sequential Clustering	387
<i>Mei Xiao, Lei Zhang</i>	
New Value for Partial Cooperative Game with Generalized Simple Coalition Structure	392
<i>Hong-wei Gao, Ye-ming Dai, Han Qiao, Xiao-xiao Li</i>	
Study on Simulation System for Turn-Milling Centre Based on VR Technology	398
<i>L. D. Zhu, C. Su, J. M. Hou, Y. Y. Su, W. S. Wang</i>	
A Novel Network Security Defence Mechanism Based on Multi-SoftMan	403
<i>Zhanfei Ma, Xuefeng Zheng</i>	
A Design of Time-Varying Auto-Adaptive Tracker	407
<i>Xianfang Wang, Zhiyong Du, Feng Pan</i>	
A Combined Grid Security Approach Based on Web Services Security Specifications	412
<i>Zhongping Zhang, Kunbo Wang, Jianfeng Luan</i>	
A Modified Remote User Authentication and Key Agreement Scheme Using Smart Cards	417
<i>Lijiang Zhang, Puwen Wei</i>	
Revisiting Trust and Reputation in Multi-agent Systems.....	422
<i>Hongbing Huang, Guiming Zhu, Shiyao Jin</i>	
Scheme to Prevent Denial of Service Attacks on UPnP	428
<i>Jiahui Wang, Liang He, Zili Zhou</i>	
Intelligent Security System Design Based on Multi-agent Technology	432
<i>Bing Wang, Chunhua Ju</i>	
Research of Residual Error-Ant Colony Optimization Gray Model Based on Markov in Load Forecasting.....	436
<i>Niu Dongxiao, Li Yanchang, Li Wei</i>	
Trust-Based Access Control for Collaborative System.....	442
<i>Yichun Liu</i>	
A Trust Management Model Based on Multi-agent System.....	447
<i>Wang Yu, Zhang Qiuyue, Jiang Ying</i>	
A Practical Key Issuing Scheme in Identity-Based Cryptosystem.....	452
<i>Changji Wang, Jing Liu</i>	
A Color Error Correction Mode for Digital Camera Based on Polynomial Curve Generation	456
<i>Li Xinwu</i>	
Constrained Multi-objective Task Assignment for UUVs Using Multiple Ant Colonies System	460
<i>Zhenzhen Xu, Yiping Li, Xisheng Feng</i>	
Application of Grey Target Theory for Handling Multi-criteria Vague Decision Making Problems	465
<i>Sikun Yang</i>	
The Design and Implementation of Personalized Search Engine Based on Bilingual Translation.....	470
<i>Liu Dongfei, Duan Jianguo</i>	

Spatial Feature Based Shadow Detection in Visual Traffic Surveillance System.....	475
<i>Shaohua Xu, Yong Zhao, Chunyu Yu, Ling Shen</i>	
Management Decision System of Regional Water Resources.....	479
<i>Changjun Zhu, Zhenchun Hao, Qin Ju</i>	
Application of Intelligent Compensation to Engine Health Management System	483
<i>Feng Lu, Jin-quan Huang</i>	
Study on Cognitive Decision Support Based on Learning and Improvement of Mental Models	488
<i>Yinghong Zhong</i>	
Availability Analysis and Evaluation of Flexible Supply Chain System	493
<i>MingHua Jiang, Shuqing Ma, Jingli Zhou, Ming Hu</i>	
Robust Stabilization of Switched Systems with Uncertain Input Delays	498
<i>Xinmei Wang, Hailong Pei, Wu Wei, Hongbo Zhou</i>	
Scheduling Algorithm in Networked Control Systems Based on Importance	503
<i>Dandan Chen, Li Xia, Haifeng Wang</i>	
Design and Implementation of Short Message Query System for Academic Office Based-On J2ME	507
<i>Zhenqi Wang, Ziyan Guo, Yue Wang</i>	
Reward Systems for Implementing Knowledge Sharing in Knowledge - Intensive Corporation	512
<i>Jianping Zhuge</i>	
Computer Forensics Research and Implementation Based on NTFS File System	517
<i>Liu Naiqi, Wang Zhongshan, Hao Yujie, QinKe</i>	
Simulation and Analysis of Routing Schemes in Structured P2P System	522
<i>Yinbo Cheng, Xiangming Wen, Yong Sun</i>	
Software Interface Technology of Intelligent Building System Integration.....	526
<i>Su Wei, Fan Tongshun, Liu Ying</i>	
Distributed Object Technology-Based Updating Strategy for Component-Oriented Updating System.....	531
<i>Guan Jianhe, Cheng Tangpei</i>	
Component-Based Safety Computer of Railway Signal Interlocking System	536
<i>Hai-feng Wang, Wei Li</i>	
Grey Cloud Model and Its Application in Intelligent Decision Support System Supporting Complex Decision	540
<i>Hong-li Wang</i>	
Data Mining Application Based on Cloud Model in Spatial Decision Support System	545
<i>Hong-li Wang, Li Meng, Mu-kun Cao, Yan Li</i>	
Complements to the Online Phase in the Horus System	550
<i>Chengxiao Fang, Xiaohui Liang</i>	
Scheduling Strategy Based on the Collaboration of Agents for MSE.....	554
<i>Qinhua Dong, Yajun Du, Fugui Wang</i>	
Integration of the CAD/PDM/ERP System Based on Collaborative Design	559
<i>Junming Hou, Chong Su, Lida Zhu, Wanshan Wang</i>	
Research on Semantic Business Platform for Electric Power System	565
<i>Sheng Jiagen, Liu Sifeng</i>	

Dispatching Sheet Generation System of Power Network Based on Multi-agent System	569
<i>Sufang Chen, Yinghui Zhang</i>	
Research in Identification and Purification of the Bilingual Web Page	574
<i>Liu Dongfei, Su Bi</i>	
An Improved Semantic Annotation Method of Web Services Based on Ontology.....	578
<i>Lei Zhang, Xiaoying Yang, Yanni Yuan, Bo Sun</i>	
Ontology-Based Deep Web Synchronous-Annotation	583
<i>PengYu Hu, Wei Fang, ZhiMing Cui</i>	
Containment and Equivalence of Active XML Documents.....	588
<i>Yan Zhu</i>	
Removing XML Data Redundancies by Constraint-Tree-Based Functional Dependencies.....	593
<i>Teng Lv, Ping Yan</i>	
Proportional Delay Differentiation Service in Web Application Servers: A Feedback Control Approach	598
<i>Wenping Pan, Dejun Mu, Hangxing Wu, Qilu Sun</i>	
Study on Wap Self-Adapt Based on Web Usage Mining	603
<i>Xia Shixiong, Yuan Guan, Zhang Lei, Deng Zhiwen, Xiao Jingyan</i>	
Research on Retrieval Method of Web Data Based on Semantics	608
<i>Yi-yi Shi</i>	
Construct MES Ontology with OWL	612
<i>Wen Long</i>	
User Preference Awareness in City Traveler Helper System Based on Naive Bayes Classification.....	616
<i>L. M. Wang, M. Qi, C. E. Lin</i>	
Research on Web Cross Language Information Retrieval Based on Domain Ontology.....	620
<i>Xiaorong Cheng, Haojun Guo, Yuhui Wang, Wei He</i>	
Searching and Selecting the Best Web Service Chain.....	625
<i>Jianqiang Hu, Juanzi Li</i>	
SI4WAC: A Semantic-Based Infrastructure for Web Application Cooperation	629
<i>Zhang Hui, Zhang Zhen, Zhu Junwu</i>	
Research on Personalized E-Learning Model.....	633
<i>Xuemin Zhang</i>	
A Fuzzy Comprehensive Evaluation Method of Maintenance Quality Based on Improved Radar Chart.....	636
<i>Liu Hongliang, Liu Anxin, Zhang Bin, Zhang Tiefu, Zhang Xin</i>	
A New ElGamal-Based Algebraic Homomorphism and Its Application.....	641
<i>Liang Chen, Yong Xu, Weidong Fang, Chengmin Gao</i>	
Research on Emergency Response Mechanisms for Meteorological Disasters.....	647
<i>Ling Cao, Guangxi Zhou</i>	
An Improved Synchronization Method of Chirp UWB	652
<i>Jia Sun, Hao Liu</i>	
Research on the Evolution of Corporate Culture Based on Naming Game	657
<i>Xiang-dong Pan, Jian-mei Yang, Feng Jian-yong</i>	
SFCNN Based Approach to Fabric Angle Bending Rigidity Prediction	662
<i>Yonghui Pan</i>	

Microcalcification Clusters Detection Based on Ensemble Learning	.....667
<i>Xin-Sheng Zhang, Hua Xie, Ya-Ling Niu</i>	
The Interval Elementary Dependent Function Based on Interval Side-Distance	.....672
<i>Qiaoxing Li</i>	
Study of Lake Eutrophication Tendency Based on Gray-Markov Forecast Model	.....677
<i>Lejuan Wang, Zhihong Zou</i>	
Generalized Trust Negotiation for Pervasive Computing	.....682
<i>Guo Yajun, Chen Hao, Yu Zhongqiang, Dong Huihui</i>	
Measurement and Analysis of Peer-to-Peer Application Traffic Characteristics	.....686
<i>Baogang Chen, Chengbo Huang, Yong Xu, Jinlong Hu, Shouqiang Liu</i>	
Alliance Capability: An Integrated Dynamic Capability View	.....691
<i>Shenghua Zheng, Xiaojun Hong</i>	
Service Oriented Framework for Modern Home Appliances	.....698
<i>Li Xuemei, Xu Gang</i>	
WSN Based Innovative Education Practice	.....702
<i>Li Xuemei, Jiang Liangzhong</i>	
A Direct Method of Shape from Shading	.....706
<i>Wuyuan Xie, Jifeng Sun</i>	
Language Behavior Coordination Strategy Motivaton	.....710
<i>Tian Yezhuang, Qi Defen</i>	
Junk Bands Recovery for Hyperspectral Remote Sensing Imagery via Contourlet	.....718
<i>Lei Sun, De-feng Gu, Jian-shu Luo</i>	
Improved Object Classification and Tracking Based on Overlapping Cameras in Video Surveillance	.....723
<i>Zhihua Li, Xiang Tian, Li Xie, Yaowu Chen</i>	
The Evaluation and Analysis of Development Vigor of the Cities Located in Yangtze River Delta Area	.....728
<i>Zhang Guangyi, Li Xiaohui, Tan Qingmei</i>	
An Approach to Testing Based Component Composition	.....733
<i>Liangming Li, Zhijian Wang, Xuejie Zhang</i>	
Several Pivotal Techniques Based on Digital Close Range Photogrammetry	.....738
<i>Junting Cheng, Xiangli Meng, Can Zhao, Yusheng Shi</i>	
On the Computation of the Linear Complexity of a Sequence over GF(q) with Period qnpm	.....743
<i>Jianqin Zhou, Jinzhong Li</i>	
A High-Accuracy Parameter Estimation Algorithm for Jointless Frequency-Shift Track Circuit	.....748
<i>Yu Jin, Xifeng Zheng, Tiefu Ding</i>	
Equivalent Reformulations of Generalized Semi-infinite Min-Max Programming	.....752
<i>Jinchuan Zhou, Meixia Li, Wenling Zhao, Xiuhua Xu</i>	
A Translation Mechanism from CPL to Java Code Based on Component Reuse	.....756
<i>Guang Zheng, Yunzhan Gong, Zhaohong Yang, Xin Zou</i>	
An Efficient Approximation for Weapon-Target Assignment	.....762
<i>Lina Chen, ChuanJun Ren, Su Deng</i>	

New Method for Quantification of Pleural Effusions from CT Imagine.....	766
<i>Yu Qian, Caiming Zhang, Xingqiang Yang</i>	
Using Operational Amplifiers to Realize the Compensation of Thermocouples	772
<i>Anan Fang, Xiaoli Ye, An Chen, Xiaoling Xu, Rong Yu</i>	
The Circuit Designing of the Intelligent Door Lock.....	776
<i>Anan Fang, Xiaoli Ye, Ming Gong, Wenling Yang, Li Zhang</i>	
Applying SPC/EPC to Establish a MIMO Process Control System	780
<i>Jui-Chin Jiang, Feng-Yuan Hsiao, Chun-An Chen</i>	
Improved Kernel PCA Based on Wavelet for Fault Detection.....	785
<i>Hongyan Wu, Daoping Huang</i>	
Strict Stability of Dynamic Systems in Terms of Two Measurements on Time Scales	790
<i>Zhengwei Xia</i>	
Design of a Bionic Electronic Nose for Robot	795
<i>Xiaojun Zhang, Minglu Zhang, Jianguang Sun, Chunyan He</i>	
A New Power Quality Monitoring System Based on ARM and SOPC	801
<i>Hongjiang He, Hui Zhang</i>	
An Intelligent Real-Time Monocular Vision-Based AGV System for Accurate Lane Detecting	805
<i>Jun Yu, Peihuang Lou, Xiaoming Qian, Xing Wu</i>	
Gyro Stabilized System Based on Auto-Disturbance Rejection Controller	811
<i>Qing Zhang, Zhenfan Tan, Ying Liang</i>	
Variable Cycle Control Strategy for Blast Furnace Stoves Based on Blast Temperature Prediction.....	816
<i>Jinsheng Sun, Haigang Fang</i>	
The Excitation Controller of Synchronous Generator Employing PID and Fuzzy Integrated Algorithm Based on S3C2410A	821
<i>Lingyan Hu, Yong Xin, Jie Peng, Helei Wu</i>	
Automatic Program and Control in Network-Manufacturing System.....	826
<i>Sun Huilai, Zhao Fangfang, Lin Shuzhong, Qi Xiangyang, Yang Xianghong, Qi Jiangbo, Liu Haihua</i>	
Multi-rate H_∞ Control for Electro-Optical Tracking System Based on Internal Model Algorithm.....	830
<i>Li Kai, Wenbo Zhang, Huazheng Zhu</i>	
State Feedback Control Strategy Based on Ellipsoid for Piecewise Affine System with Time-Delay.....	838
<i>Xiangyong Mu, Zhilin Liu, Run Pei</i>	
Interdisciplinary Innovative Education Based on Modular Robot Platform.....	843
<i>Li Xuemei, Xu Gang</i>	
Block Time-Recursive Algorithms for DCT-Based Real-Valued Discrete Gabor Transform	847
<i>Juan-juan Gu, Liang Tao</i>	
A Flexible Role- and Resource-Based Access Control Model	852
<i>Yizhu Zhao, Yanhua Zhao, Hongwei Lu</i>	
Time Series Prediction for Generalized Heave Displacement of a Shipborne Helicopter Platform	857
<i>Dong Wei, Jiawei Ye, Xi Wu, Lidong Liang</i>	
Revised MAXBAND Model for Bandwidth Optimization of Traffic Flow Dispersion.....	862
<i>Lu Shouseng, Liu Ximin, Dai Shiqiang</i>	

A Decision-Making Approach to R&D Project in a Fuzzy Environment	867
<i>Changsheng Yi, Yufu Ning, Qiumei Jin</i>	
Modeling of the Combustion Optimizing Based on RBF Neural Networks.....	872
<i>Lei Chen, Youcheng Xie, Zhongli Shen, Huilin Fu</i>	
DCT-Based Real-Valued Discrete Gabor Transform and Its Fast Algorithms.....	876
<i>Juan-juan Gu, Liang Tao</i>	
The Largest Launching Range Design with Genetic Algorithm and PID Controller	881
<i>Haoqin Su, Xiaoyun Luo, Hongbo Li, Ya Duan</i>	
Study on Fault Diagnosis System of Diesel Engine Fuel Injection System Based on BP Neural Network	885
<i>Bin Zhang, Jun Yan, Cheng Tian</i>	
A Control Algorithm for Soccer Robot's Moving Based on Fuzzy Control.....	890
<i>Guangshun Yao, Qian Ren</i>	
Critical and Steady State for Epidemic Dynamics on the Stationary Growth Networks	895
<i>Shujuan Peng, Yuanxiang Li, Ying Peng</i>	
Embedded System of DC Motor Speed Control Based on ARM	900
<i>Helei Wu, Xueqiang Chen, Lingyan Hu</i>	
Fault Diagnosis of Rotating Machinery Using Data Mining and CLIPS-Based Expert System	904
<i>Dongyang Dou, Yingkai Zhao</i>	
Active Roll Control of Heavy Tractor-Semitrailer Based on Adaptive Gain Scheduling Control	908
<i>Tianjun Zhu, Hongyan Zheng</i>	
Application of Unscented Kalman Filter to Vehicle State Estimation.....	912
<i>Tianjun Zhu, Hongyan Zheng</i>	
A Research about Pattern Recognition of Control Chart Using Probability Neural Network.....	917
<i>Zhiqiang Cheng, YiZhong Ma</i>	
Research on Elman Neural Network Control of the Engine	923
<i>Ma Jing, Yang Yuwu</i>	
Temperature Characteristics and Control Algorithm in LLDPE's Pipe Production Process	927
<i>Wanzhi Chen</i>	
Application Research of Intelligent Algorithm in Electric-Driven Flight Simulation Turntable	931
<i>Xie Mu-jun, Wang Zhi-qian, Wang Lian-ming</i>	
Implementation and Stability Analysis of the Fuzzy Controller Based on Electric-Driven Simulation Turntable.....	935
<i>Xie Mu-jun, Wang Lian-ming, Wang Zhi-qian</i>	
The Research of Fault Diagnosis in Aluminum Electrolysis Based on Rough Set.....	939
<i>Jiejia Li, Shitao Li, Zhichao Fang</i>	
A Fuzzy Satisfying Method for Variable Coefficients Multi-objective Programming.....	944
<i>Deguo Yuan, Yuejin Ma, Tingjin Lu, Xiaosong Mao</i>	
A Melt Temperature PID Controller Based on RBF Neural Network.....	949
<i>Jing Jiang, Shengping Wen, Guoping Zhao</i>	
Route Identification and Direction Control of Smart Car Based on CMOS Image Sensor	953
<i>Wang Xiuquan, Shen Xiaoliu, Chang Xiaoming, Chai Ying</i>	

Optimal Fuzzy Reasoning and Its Characteristics	.....	957
<i>Zhang Kun, Zhang Lei</i>		
The Application of Fuzzy Evaluation Method on Design Quality Evaluation of Mine Disaster Rescue Vehicle Detection	.....	962
<i>Zhao Fangfang, He Zhen, Sun Huihai</i>		
Dynamic Test and Evaluating System for Flight Control System	.....	966
<i>Wu Xun, Yang Shu-xing, Zhao Lei</i>		
State Predication Controller Design for a Class of Discrete Networked Control Systems	.....	970
<i>Jiwei Hua, Liang Tao, Hexu Sun, Zhaoming Lei</i>		
Time-Delay Compensation Control of Networked Control Systems Using Timestamp Based State Prediction	.....	975
<i>Jiwei Hua, Tao Liang, Hexu Sun, Zhaoming Lei</i>		
Modeling Virtual Laboratory of Motion Control	.....	980
<i>Zhibo Niu, Kexin Wei, Chao Dong</i>		
Dynamics Simulation on Control Technology for 4WS Vehicle Steering Performance	.....	983
<i>Zhang Rong-hui, Jia Hong-guang, Chen Tao</i>		
Identification Research on Coordinate Control Influencing Factors among Enterprises of B2B EC Based on Fault Diagnosis	.....	987
<i>ShiBin Su, ZhenYu Liu</i>		
The Digital Circuit Fault Diagnosis Interface Design and Realization Based on VXI	.....	992
<i>Liu Ying, Su Wei, Fan Tongshun</i>		
Application of Entropy Weight Fuzzy Comprehensive Evaluation in Optimal Selection of Engineering Machinery	.....	997
<i>Jun Yan, Tiefu Zhang, Bin Zhang, Bangjun Wu</i>		
Simulation Research on Workshop Control Strategy in Semiconductor Wafer Probe Area	.....	1001
<i>Zhang Tie-Zhu, Wang Yue-Peng</i>		
Study on the Detect Function of the Dynamic Accidental Pollution Source in a Drainage Area	.....	1006
<i>Ying Liu, Dan Liu, Kun Wang</i>		
Fuzzy Case-Based Reasoning for Conflict Resolution in Collaborative Design	.....	1010
<i>Junming Hou, Chong Su, Shuang Liang, Wanshan Wang</i>		
Parallel Multi-objective GA Based Rotamer Optimization on Grid	.....	1015
<i>Pengfei Liu, Shoubin Dong</i>		
Parallel FDTD Simulation of Two-Dimensional Frequency Selective Surface	.....	1019
<i>Min Li, Jian Zhou, Anchun Xiao, Yi Li</i>		
Study on Multicarrier Spread Spectrum in PLC	.....	1023
<i>Cuiru Wang, Xiangbing Yu</i>		
Evaluating Degree of Success in Power Plant Construction Projects Based on Variable Weight Grey Cluster	.....	1028
<i>Yuansheng Huang, Qingchao Liu, Li Tian</i>		
A New Technique for ECG Denoising Using Adaptive Wavelet Shrinkage	.....	1033
<i>Tianjian Chen, Yong Zhao, Chunyu Yu, Ling Shen</i>		
Efficient Collision Detection for Arbitrary Polyhedral Model Based on GPU and Swept Volume	.....	1037
<i>Shujuan Peng, Yuanxiang Li, Hui Zeng</i>		

A New Method of Choosing Suitable Call Admission Control Policy Using Integrated Parameter	1042
<i>Ming Yang, Xiaobo Zhao, Xing Zhao, Weiguo Di</i>	
A Peer-to-peer Hybrid Multicast Infrastructure for Remote Learning	1047
<i>Xiao-bin Huang, Jian-ping Wei, Wan-yu Lu, Yong Fan, Zhi-qiang Tan</i>	
Analysis and Design of Boot Loader on Embedded Electric Power Steering System	1053
<i>Xiaofeng Wan, Hailin Hu, Xiaojun Zhou</i>	
Research of Period Doubling Bifurcation in PWM Buck DC-DC Converter Using Harmonic Balance.....	1058
<i>Wei Li, Jinbo Zhang</i>	
Research on Graphic Model of the Novel Multiple-plane and Multiple-stage Packet Switching System.....	1062
<i>Xiangjie Ma, Xiuqin Li, Julong Lan, Junpeng Mao, Lei He, Baisheng Zhang</i>	
Salient Closed Contour Detection Based on Multiscale Analysis and Minimum-Angle	1067
<i>Dou Yan, Kong Lingfu</i>	
Sliding Mode Control of Active and Reactive Power for Brushless Doubly-Fed Machine.....	1071
<i>Xiaohong Wang, Jimming Yang, Xianyong Zhang, Jie Wu</i>	
A Study on Logistics Mode of Procurement in China Air-Conditioner Manufacturers Based on Third-Party Logistics	1076
<i>Changzheng Zheng, Zhixue Liu, Xiaojing Wang, Chunguang Quan</i>	
A Construction of Linearly Encodable QC-LDPC Codes by Grouping Cyclic Shift and Block Elimination.....	1081
<i>Chen Zhixiong, Yuan Jinsha</i>	
Soft Sensor for the Mooney-Viscosity Based on PCA-LSSVM	1086
<i>Mei Liu, Daoping Huang, Zonghai Sun</i>	
Removing Noises Similar to Dots from Persian Scanned Documents.....	1090
<i>M. Hassan Shirali-Shahreza, Sajad Shirali-Shahreza</i>	
An Anti-SMS-Spam Using CAPTCHA	1095
<i>M. Hassan Shirali-Shahreza, Mohammad Shirali-Shahreza</i>	
Research on Digital Circuit Fault Location Procedure Based on LASAR.....	1099
<i>Su Wei, Zhang Shide, Xue Lijun</i>	
D-Stable H_∞ Fault-Tolerant Control for Delta Operator Systems with Actuator Failure	1104
<i>Duanjin Zhang, Luohua Zhang, Steven X. Ding</i>	
Re-traffic Pricing for Fighting against DDoS	1109
<i>Yue-Yun Shen, Feng-Qin Fan, Wen-Xiu Xie, Lu-Feng Mo</i>	
Real-Time Visualization of Hydroelectric Project Based on Multilayer Object-Oriented Graphics Model	1114
<i>Yuan Huang, Xian-Jia Wang, Zhi-Xiu Cheng</i>	
A Robot Collision Avoidance Scheme Based on the Moving Obstacle Motion Prediction	1118
<i>Rongxin Jiang, Xiang Tian, Li Xie, Yaowu Chen</i>	
An Improved Delta and Over-issued Certificate Revocation Mechanism	1123
<i>Shaomin Zhang, Haijiao Wang</i>	
Research and Implementation of Next Generation Network Intrusion Detection System Based on Protocol Analysis.....	1128
<i>Guo-xiang Yao, Quan-long Guan, Liang-chao Lin, Shu-Qiang Huang, Guo-cheng Zhu, Hui-ping Zhang, Zhi Gao</i>	

A Novel Timing Acquisition Algorithm for Differential Transmitted Reference UWB Receivers	1133
<i>Lin Yang, Huisheng Zhang, Fengqi Yu</i>	
Universal Scalable Network Architecture.....	1138
<i>Hailong Ma, Dan Li, Yunfei Guo, Dongnian Cheng</i>	
Evolving Small-World Networks of the Local World with Tunable Clustering.....	1144
<i>Jianwei Wang, Lili Rong, Liang Zhang</i>	
NUMP2P: A Non Uniformed Mobile Peer-to-Peer Resource Sharing System.....	1149
<i>Xu Yusheng, Ma Zhixin, Chen Xiaoyun, Li Lian</i>	
Optimal Single Imaging Window Selection on Earth Observation Satellites	1154
<i>Guomin Zhang, Jianping Yin, En Zhu, Ling Mao</i>	
Mathematical Investigation and Analysis of Regional Signal Coverage in Mobile Communication	1160
<i>Zhiming Qu, Lijun Jiao, Libo Liu</i>	
Investigation on Construction of Network Course and Its Optimization Model.....	1164
<i>Zhiming Qu, Lijun Jiao, Libo Liu</i>	
The Design of Battery On-line Monitoring Device Based on Wireless Communication.....	1168
<i>Xiangling Shi, Zhenjiang Cai, Qingjian Zhai, Dening Zhang, Hongjuan Kou</i>	
Wireless Communications Link with RS Channel Code for Setting Electronic Fuze.....	1173
<i>Li Wang, Qunfeng Niu, He Zhang</i>	
Experimental Research about the Impact of IEEE 802.1P on Real-Time Behavior of Switched Industrial Ethernet	1178
<i>Hu Lingyan, Peng Jie, Xin Yong</i>	
Performance Analysis and Optimization of IEEE 802.11 DCF with Constant Contention Window	1182
<i>Ruopeng Wang, Jie Zhang, Xiangyi Zou</i>	
Research on Rain Attenuation for Ka-Band Satellite Communication System.....	1187
<i>Xiao Yang, Zhu Lidong</i>	
A Low Complexity Channel Estimation Algorithm Based on Barker Code for IEEE802.11	1191
<i>Anding Wang, Yuyang Qiu, Lili Lin</i>	
Variable Structure Control of Radar Servo System Based on IMM	1196
<i>Hong-Ye Xue, Yan-Jun Li, Ke Zhang</i>	
Improved Balanced Power Allocation in Uplink MIMO System.....	1201
<i>Yilei Yao, Shangzhi Xu, Xinhong Wang</i>	
The Application of ARM and ZigBee Technology Wireless Networks in Monitoring Mine Safety System	1205
<i>He Hongjiang, Wang Shuangyou</i>	
Design of the Modbus Communication through Serial Port in QNX Operation System.....	1209
<i>Sen Xu, Haipeng Pan, Jia Ren, Jie Su</i>	
SIP Based Real-Time Web Services Communication Model	1214
<i>Cheng Bo, Guo Jie, Meng Xiangwu, Chen Junliang</i>	
Distributed Channel Assignment Algorithm for Multi-channel Wireless Mesh Networks	1219
<i>Dong Wanli, Bi Kun, Zhang Lei</i>	
A Minimalist Mutual Authentication Protocol for RFID System & BAN Logic Analysis.....	1224
<i>Cai Qingling, Zhan Yiju, Wang Yonghua</i>	

Study on the Model Innovation of Core Competitiveness Based on CSM Theory	1229
<i>Chen Yunchuan, Liu Xun</i>	
A DSP-Based Implementation of Low Complexity Turbo Equalization.....	1233
<i>Gaoqi Dou, Jun Gao, Bing Liu</i>	
Simulation of Barrage-Type Jamming for Synthetic Aperture Radars	1237
<i>Hongfeng Zhao</i>	
Research on Optimum Deployment Problem of Radar	1241
<i>Shang Gao</i>	
Design of a New Kind of Contactless IC Card Reader Middleware	1245
<i>Ning Zhang, Zhao-hui Gao, Hui Chen, Tie-jun He</i>	
SMS Receiving and Dispatching System Based on Embedded Linux	1250
<i>Xiaofeng Wan, Qingqing Zhang, Mengfei Fang</i>	
Quality Evaluation of Onboard Dual Frequency Kinematic GPS Observations	1255
<i>De-feng Gu, Lei Sun, Dong-yun Yi</i>	
A New Key Management and Authentication Method for WSN Based on CPK	1261
<i>Jingjing Li, Le Tan, Dongyang Long</i>	
A Joint Source-Channel Coding Scheme Focused on Unequal Error Protection for H.264	
Transmission over MIMO-OFDM System	1266
<i>Yong Liu, Qing-song Tong, Ai-dong Men, Zi-yi Quan, Bo Yang</i>	
A Fast Algorithm for Intra Downsizing in H.264/AVC Transcoding.....	1271
<i>Zhang Jian, Shen Ting-zhi, Jiang Wei, Zhang Ying</i>	
Development of PT Secondary Circuit's Drop Test Instrument Based on dsPIC30F6010	
Singlechip	1275
<i>Haiquan Li, Shuguang Zhang, Dening Zhang, Hongjuan Kou, Shan Zhang</i>	
Investigation and Design of a Modified Aperture-Couple Fractal Antenna for RFID Applications	1280
<i>Hanhua Yang, Shu Yan, Ling Chen, Hongbei Shi</i>	
A Method of 2FSK Signal Detection Using Duffing Oscillator	1285
<i>Huang Yiran, Yin Chengqun, Liu Li, Bi Hongbo</i>	
The Applied Research of Finite Element Simulation of Optical Fiber Sensors in Vibration Test	1289
<i>Jie Chen, Ceng Jiang, Xuejun Hu, Lixin Xu</i>	
Power Controlled Uplink Performance Analysis under Soft Handover in DS-CDMA Systems along with Convolutional Coding Scheme.....	1293
<i>Z. Mobini, MA. Mohammadi, H. A. Rohi, M. Ardebilipour</i>	
A One-Step Method for Blind Identification of MIMO Signal	1298
<i>Xian-zhong Xie, Qing-hua Chen</i>	
Design of Control System for Mobile Robot Based on DSP Processor.....	1303
<i>Yunzhou Zhang, Chengdong Wu, Dingyu Xue, Hao Chu</i>	
Research on Routing Protocol for Shallow Underwater Acoustic Ad Hoc Network.....	1308
<i>En Cheng, Yuan Qi, Bo Sun, Ziming Zhuang, Jie Deng</i>	
Bounds on End-to-End Delay Jitter with Self-Similar Input Traffic in Ad Hoc Wireless Network.....	1313
<i>Lianming Zhang</i>	
A Novel Video Monitoring System Based on Wireless Mesh Network.....	1317
<i>Tao Wang, Xunxue Cui, Ping Liu</i>	

An Energy-Efficient TDMA Protocol for Clustered Wireless Sensor Networks.....	1322
<i>Maotao Xie, Xiaoli Wang</i>	
Multihop Routing Protocol with Unequal Clustering for Wireless Sensor Networks.....	1327
<i>Bencan Gong, Layuan Li, Shaorong Wang, Xuejun Zhou</i>	
Performance Evaluation of the Memory-Space-Memory Clos Switching Network.....	1332
<i>Xiangjie Ma, Xiuqin Li, Julong Lan, Junpeng Mao, Lei He, Baisheng Zhang</i>	
Multi-channel MAC Protocols in Wireless Ad Hoc and Sensor Networks	1337
<i>Mingfei Wang, Linlin Ci, Ping Zhan, Yongjun Xu</i>	
A Multipath Routing Algorithm Based on Link Multi-metrics for Wireless Sensor Networks	1342
<i>Yaqing Li, Layuan Li, Chunyan Wang</i>	
An Energy-Efficiency Multicast Routing Algorithm in Wireless Sensor Networks.....	1347
<i>Wang Xiangli, Li Layuan, Wang Wenbo</i>	
A Clustering Routing Protocol Based on HCMC in WSNs	1352
<i>Jifeng Sun, Fan Liao, Yao Peng</i>	
Prediction-Based Link-Layer Dynamic Fragmentation and Aggregation for Wireless Mesh Networks	1357
<i>Lei Zhang, Shoubao Yang, Gaofeng Wang, Wanli Dong</i>	
Design and Implementation of Wireless Sensor Network Data Collection Terminal Based on ARM9	1362
<i>Meijuan Gao, Fan Zhang, Jingwen Tian</i>	
Security Analysis of Server-Aided Public Key Generation Protocols on Low-Power Devices for Ad-Hoc Networks	1366
<i>Tianjie Cao, Xianping Mao, Qihan Luo, Zhipeng Niu</i>	
Firewall Based Scheme to Prevent GPRS Overbilling	1370
<i>Yuli Fu, Xiaohong Wang</i>	
A Weighted Clustering Algorithm Based Routing Protocol in Wireless Sensor Networks	1374
<i>Zhang Jian-wu, Ji Ying-ying, Zhang Ji-ji, Yu Cheng-lei</i>	
An Extended the Contract Net Protocol Based on the Personal Assistant.....	1378
<i>Gaojun Fan, Hongbing Huang, Shiyao Jin</i>	
A Micro-Mobility MPLS Scheme for QoS Supporting in Wireless Access Network	1383
<i>Nie Gang</i>	
Resolving Communication Control and Management Problems with Modified Filled Function Method	1387
<i>Shang You-lin, Xu Cui-xia</i>	
Network Synthetic Optimization in Project Schedule by Using PAAA Algorithm and Considered of Time Value of Money	1392
<i>Yuansheng Huang, Qingchao Liu, Zilong Qiu</i>	
Chan Location Algorithm Application in 3-Dimension Space Location	1397
<i>Zhang Jian-wu, Yu Cheng-lei, Tang Bin, Ji Ying-ying</i>	
Design and Analysis of a QoS Signaling Protocol for Mobile IP Networks	1401
<i>Qing Xiuhua</i>	
Pilot Aided Carrier Frequency Offset Estimation in MC-DS-CDMA Systems	1405
<i>Licheng Liu, Xianhua Dai</i>	
Multihoming Support Scheme for Network Mobility Based on Proxy Mobile IPv6.....	1410
<i>Yang Li, Dong-Won Kum, You-Ze Cho</i>	

J2ME-Based Application of Vector Space in Query Optimization.....	1415
<i>Zhenqi Wang, Ziyuan Guo, Yue Wang</i>	
Security Research on J2ME-Based Mobile Payment	1419
<i>Zhenqi Wang, Ziyuan Guo, Yue Wang</i>	
Intelligent Information Processing of WSN Based on Vague Sets Theory and Applied in Control of Coal Mine Monitoring.....	1424
<i>Yi-ming Tian, You-rui Huang, Yi-qing Huang</i>	
Research-Based Learning in Mobile Communication Course: With Assistance of Mobile Newspaper.....	1428
<i>Yanwen Wu, Tingting Wang, Mei Lin, Xiaoyu Wen, Peng Li</i>	
A Multiobjective Optimization of Location Based Services Network in Mobile Commerce Based on Customer Satisfaction.....	1432
<i>Min Zhang, Weiwei Yan</i>	
The Crypto Transmission in HF Wireless Environment	1437
<i>Jinkeun Hong, Kunhee Han</i>	
TiCom: A Time-Compensation Based Review Ranking Algorithm for Mobile Clients	1442
<i>Wei Zheng, Chaokun Wang, Dapeng Zhao, Shengfei Shi, Jianmin Wang</i>	
Research and Application of a Kalman Smoother Based on INS/GPS Integrated Navigation	1447
<i>Jian Rong, Haitao Zhang, Xiaochun Zhong, Ke Chen</i>	
Managing the Risk of Supply Chain Disruption: Towards a Resilient Approach of Supply Chain Management.....	1452
<i>Jianxin Xu</i>	
Decentralization and Compensation Reforms in China: The Case of Xiaoshan InterTrade	1457
<i>Hao Yunhong, Qian Chen</i>	
Empirical Analysis of Industry Output Efficiency and Production Function in China.....	1463
<i>Hang Su, Xuefeng Wang, Yingjun Feng</i>	
Stock Prices Fluctuations and Analytical Valuation of Contingent Claims by Stochastic Interacting Systems.....	1467
<i>Jun Wang, Fang Zhao, Cuining Wei</i>	
The Digital Integrated Research of Product Design Based on Assembly Model	1472
<i>Xiaoxia Chen, Shuzhong Lin, Jingzhong Xing</i>	
A Multi-granularity & Fuzzy CBR Based Method for Price Forecast.....	1477
<i>Hongchun Yuan, Jinling Ju, Ying Chen, Ming Chen</i>	
Research on Simulation Process Management for Product Development	1482
<i>Lian Xue, Ling Tian</i>	
The Statistical Analysis of Stock Prices and Trading Volumes for the Chinese Stock Markets	1486
<i>Dongping Men, Jun Wang, Jiguang Shao</i>	
The Statistical Analysis of Chinese Stock Market Fluctuations by the Interacting Particle Systems.....	1491
<i>Tiansong Wang, Jun Wang</i>	
Study on an Optimization Problem of Web Advertising Considering Inventory of Commodities	1496
<i>Lihua Zhang, Dingwei Wang</i>	

Research of Production Scheduling Algorithm Based on Bottleneck Analysis.....	1501
<i>He Wei, Cheng Rongqiu</i>	
A Process Driven Architecture of Analytical CRM Systems with Implementation in Bank Industry.....	1506
<i>Yaya Xie, Xiu Li, Weiyun Ying</i>	
Construction of the Steel Industry Evaluating Index System Based on AHP	1511
<i>Shu-jun Cui, Hui-xiao Liu</i>	
Economic Analysis on "Illegal-server" Problem Based on Hotelling Model	1518
<i>Liu Xun</i>	
An Approach to Group Decision Making Problems Based on 2-Tuple Linguistic Aggregation Operators	1522
<i>Yejun Xu, Ling Huang</i>	
The Application of UML to the Design of Reverse Logistics Information System.....	1527
<i>Zhu Haibo</i>	
Research of Networked Technical Services System Oriented Product Lifecycle	1532
<i>Tianbiao Yu, Jing Zhou, Kai Zhao, Ge Yu, Wanshan Wang</i>	
Transmission Method of Multi-layer Situation Decision-Making Information and Its Applications in Rural Economic System	1537
<i>Lv Ruihua, Dong Yibing, Wang Weiya</i>	
The Impact of Lead-Time on Bullwhip Effect in Supply Chain	1542
<i>Xiaojing Wang, Zhixue Liu, Changzheng Zheng, Chunguang Quan</i>	
A Process-Supported CBR System for Market Opportunity Discovery	1547
<i>Shuqin Cai, Quan Xiao</i>	
Workflow Design Based on Data-Flow Skeletons.....	1552
<i>Nanshan Du, Yiwen Liang, Linxia Du, Li Zhao</i>	
The Reconstruction of Agriculture Supply Chain Based on Information Sharing	1557
<i>Qi Ming, Xie Jingxu</i>	
A New Resource Management and Scheduling Model in Grid Computing Based on a Hybrid Genetic Algorithm.....	1562
<i>Hao Tian</i>	
Design and Analyze the Model of the Management System Based on Active Network	1567
<i>Yan Ma, Xin Huang, Juhua Zhang</i>	
A Class of Facility Location Problem in Public Crisis Management System Based on Network Risk Bottleneck.....	1572
<i>Min Zhang, Weiwei Yan</i>	
Study on the Supply Chain Production Planning with Time-Space Network	1577
<i>Tiezhu Zhang, Longying Li</i>	
A Two-Echelon Inventory Model for Seasonal Products under Demand Uncertainty	1581
<i>Jianhu Cai, Gengui Zhou</i>	
Analysis of the E-Government Operation Services of China in the Present Situation.....	1586
<i>Xueqin Zhao, Jing Ye</i>	
The Construction of Online Third-Party Payment Based on Value Chain.....	1591
<i>Yiqun Li, Zhaoran Xu</i>	
Analysis on the Reverse Logistics under E-Business Environment	1597
<i>Qunli Wu, Shengcui Liu</i>	

The Approach of Credit Domain Component System Framework Supporting Interoperation and Component Retrieval.....	1601
<i>Lirong Xiong, Jie Bai, Jiaohong Yu, Jianwei Ren, Mengjun Wang</i>	
Models on Web-Based Information Gap between e-Government and Citizens	1605
<i>Liu Dawei</i>	
Customer Evaluation Model Based on Topsis Method in B-to-B Market.....	1610
<i>Shengbin Weng, Guangming Wang</i>	
Application of Parameter Modulation in E-Commerce Security Based on Chaotic Encryption	1614
<i>Zhiming Qu, Tongbin Ma, Yunlong Zhang</i>	
An Alternating-Offers Bargaining Based Mechanism for Bilateral Multi-goal Negotiations in Electronic Commerce Setting	1618
<i>Yonghui Ling, Xiubin Xu, Zhaoming Wang</i>	
Optimization of an Indicator System for Measuring E-Business: An Empirical Study by Firms	1625
<i>Min Liu</i>	
Service Oriented Business Modeling for E-Business Applications	1630
<i>Wang Chu, Depei Qian</i>	
EPMD: A 3G Faced P2P E-Commerce Platform for Mobile Devices	1635
<i>Lei Wang</i>	
The Logistic Management for E-Commerce.....	1640
<i>Gang Li, Huijuan Hu</i>	
Study on the Model of E-Commerce Identity Authentication Based on Multi-biometric Features Identification.....	1645
<i>Xiaoming Meng</i>	
Logic for Automated Negotiation in E-Business.....	1650
<i>Mu-kun Cao, Hong-li Wang</i>	
Analyzing the Impact of Organizational Constraints on Performance of E-Business: A Research Perspective	1655
<i>Ming Ye, Yuantao Jiang</i>	
Transregional Enterprise Input-Output Model and Its Application in Production Decision-Making	1660
<i>Jingjun Li, Rencheng Tong, Yupeng Wang</i>	
Strategic Analysis of Real Estate Companies in Hangzhou Based on Value Chain Model	1665
<i>Yu Pingping</i>	
Research on the Shipbuilding Logistics System under Modern Shipbuilding.....	1671
<i>Weihong Yue, Chengfang Wang, Qingying Zhang</i>	
A Research on the Investment Value of Listed Companies Based on Fisher Discriminant Analysis Method	1675
<i>Fangyuan Lu, Min Lu</i>	
Cluster Analysis on Technological Innovation Ability of Enterprises Based on SOM Network----Taking the MLEs in Henan as an Example	1679
<i>Fangyuan Lu, Keyan Jiao</i>	
Distributed Mining Model and Algorithm of Association Rules for Chain Retail Enterprise	1684
<i>Chunhua Ju, Dongjun Ni</i>	

Effectiveness of OLAP-Based Sales Analysis in Retail Enterprises.....	1689
<i>Chunhua Ju, Minghua Han</i>	
The Operation Process and the Knowledge Hierarchy of the Virtual Enterprise's Knowledge Management: A Study of Models Conceiving.....	1694
<i>Zhihong Li</i>	
Developing Information Service Platform for Clusters of Small-Medium Enterprises in Heterogenous Environment.....	1698
<i>Bo Jiang</i>	
Development Ranking in Real Estate Strategy Management in China Based on TOPSIS Method	1703
<i>Pengyang Xie</i>	
Research on Personalized E-Bookstore Service System.....	1708
<i>Yanhui Zhang</i>	
A Transformation Function for Finding Better Minima on Discrete Global Minimization Problems	1712
<i>Wang Wei-xiang, Shang You-lin</i>	
Safety Management of Deep Foundation Pit Based on Construction Risk Analysis.....	1717
<i>Xu Tinghua, Bi Siping, Chen Jingru</i>	
Knowledge Management for Manufacturing Process Based on Knowledge Lifecycle	1722
<i>Wang Qifeng</i>	
Minimizing Number of Tardy Jobs on a Batch Processing Machine with Incompatible Job Families	1726
<i>Lili Liu, Feng Zhang</i>	
Design of an Exception Handing Algorithm of Workflow.....	1730
<i>Shaofei Wu, Bin Guo</i>	
Goals Description with DLs in Migrating Workflow System.....	1734
<i>Xiuguo Wu, Tongtong Jiang</i>	
Analysis of the Evolvement in the Industry System Based on the Capacity-Intensive Angle.....	1738
<i>Wei Jing, Miao Jianjun</i>	
Is It Reasonable for Saaty's Consistency Test in the Pairwise Comparison Method?	1743
<i>Wei-Jun Xu, Yu-Cheng Dong, Wei-Lin Xiao</i>	
Pricing Barrier Options with Time-Dependent Parameters and Curved Boundaries.....	1748
<i>Ruicheng Yang, Xuezhi Qin, Bing Xia</i>	
An Integrated Model of Management Innovation in Transition China	1753
<i>Wang Cheng, Lan Hailin, Xie Hongming</i>	
Pricing Currency Options in a Fuzzy Environment.....	1758
<i>Weilin Xiao, Weiguo Zhang, Weijun Xu, Yanxi Wu</i>	
A Research on the Application and Effect of the Value Stream Management in China's Air Conditioner Manufacturers - A Case Study of Midea	1763
<i>Lei Yang, Xiaopeng Zhang</i>	
A Study on Informal Organizational Work-Family Support, Work-Family Enrichment and Work-Family Conflict of Chinese Employees	1768
<i>Hongyu Ma, Hanying Tang, Bin Wang</i>	
Adaptive Multi-agent Modeling in Intelligent Supply Chain Managemrnt.....	1779
<i>Yan Li</i>	

A Temporal Delegation Model for Secure Service Management	1783
<i>Li Zhao, Guoqing Wu, Linxia Du</i>	
The Role of Organizational Capability on Technological Innovation	1788
<i>Rui Xu, Xiaomin Song, Guoxin Liu</i>	
The Global Inverse Optimal Design with Robustness to Some Uncertainties	1793
<i>Chen Yimei</i>	
Functional Structure of Urban Water Supply Network Based on GIS	1797
<i>Bo Yan, Xiaorong Su, Yiyun Chen</i>	
Data Management of Urban Water Supply Network Based on GIS	1802
<i>Bo Yan, Xiaorong Su, Yiyun Chen</i>	
Short Message Services in Logistics Information System.....	1807
<i>Bo Yan, Yiyun Chen, Puxiong Zhou</i>	
RFID Technology Applied in Warehouse Management System.....	1812
<i>Bo Yan, Yiyun Chen, Xiaosheng Meng</i>	
Research on the Risk Model Based on Markov Chain.....	1817
<i>Cai Shuqin, Wang Ge, Liu Yan</i>	
Reliability Estimation and Empirical Research for Series-Parallel Systems	1824
<i>Dawei Liu</i>	
The Measurement and Evaluation on Organizational Innovation Culture in Chinese Academy of Sciences	1829
<i>Bin Wang</i>	
The Impact of the Organizational Culture on the Implementation of TQM Programs	1835
<i>Salum Soud Mohamed, Qin YuanJian</i>	
Research and Design on P2P Based Reliable Reputation Management System.....	1839
<i>Shouqiang Liu, Deyu Qi, Baogang Chen</i>	
The Relativity Studying between Information-Based Innovation and Core Competence Formation of State-Owned Commercial Bank in China.....	1843
<i>Zhang Tong-jian</i>	
Efficiently Mining Closed Frequent Patterns with Weight Constraint from Directed Graph Traversals Using Weighted FP-Tree Approach	1848
<i>Runian Geng, Xiangjun Dong, Xingye Zhang, Wenbo X</i>	