

# **2010 International Symposium on Intelligence Information Processing and Trusted Computing**

**(IPTC 2010)**

**Huanggang, China  
28 – 29 October 2010**



**IEEE Catalog Number: CFP1072K-PRT**  
**ISBN: 978-1-4244-8148-4**

# 2010 International Symposium on Intelligence Information Processing and Trusted Computing

***IPTC 2010***

## Table of Contents

<b>Greetings from the General Chairs</b> .....	xvii
<b>Organizing Committee</b> .....	xix

---

### **Proceedings of the 2010 International Symposium on Intelligence Information Processing and Trusted Computing**

Data Hiding Techniques Based on Wavelet-like Transform and Complex Wavelet Transforms .....	1
<i>Sushil Kumar and S.K. Muttoo</i>	
Evaluating Supervised Machine Learning for Adapting Enterprise DRE Systems .....	5
<i>Joseph Hoffert and Douglas Schmidt</i>	
The 128bit Block Cipher HyRAL (Hybrid Randomization Algorithm): Common Key Block Cipher .....	9
<i>Kouzou Hirata</i>	
An Improved Vegas Scheme Based on Average Round Trip Time .....	15
<i>Fuzhe Zhao, Shisong Xiao, and Jixiong Chen</i>	
Local Universities of China Management Information System Integration Model Design .....	18
<i>KaiLiang Liang and Zhigao Lan</i>	
Tension Spline Fitting with Bezier Curve .....	21
<i>Xincheng Guo, Chen Huang, and Peng Wang</i>	
Research on the Safety of University Financial System in the Network Environment .....	25
<i>Chen Liyu</i>	
Reliability Analysis of Yarn Tension Control System Based on FTA in Jacquard Loom .....	29
<i>Xiao-guang Wu, Chao Yu, and Li Zhu</i>	

Dynamic Analysis of Vegetation Coverage Change in Miyun Reservoir Basin from 2000 to 2005 Based on Remote Sensing .....	33
<i>Tao Chen, Rui-qing Niu, Ping-xiang Li, Liang-pei Zhang, and Bo Du</i>	
An Image-Sequence Compressing Algorithm Based on Homography Transformation for Unmanned Aerial Vehicle .....	37
<i>Junbin Gong, Chenlin Zheng, Jinwen Tian, and Dingxue Wu</i>	
A Novel Regression Method Research Based on Covering Algorithm .....	41
<i>Cheng-Gang He, Yan-Ping Zhang, Hui Sun, and Jin-Wei Gen</i>	
China's Legal Construction and Countermeasures in the Development of E-government .....	45
<i>Shang Gao, Xiaofan Xue, and Aimin Liu</i>	
Power Spectral Analysis of Wrist Pulse Signal in Evaluating Adult Age .....	48
<i>Quanyu Wu</i>	
Design and Realization of Health Monitoring System on Electric Wheel Truck .....	51
<i>Shuxin Chen and Minglai Zhu</i>	
The Effect Mechanism of El Niño Southern Oscillation on Wheat Futures: Based on EMD and SSVS Algorithm .....	55
<i>Lou Yingjun, Zhu Lijie, and Lu Lina</i>	
A Projection Pursuit Based Risk Assessment Method in Mobile Ad Hoc Networks .....	60
<i>Fu Cai and Zhang Li</i>	
Decision of Trusted Software Behavior .....	67
<i>Weiguang Kong</i>	
Design of Case-Based Reasoning System with Community Detection in Complexity Theory .....	71
<i>Di Suo, Yali Zhu, Fuan Wen, Meisong Chen, and Yanlian Sun</i>	
The Color Components' Computing on Different Color Spaces for Image Segmentation of Hematocyte .....	75
<i>Hang Dai and Xi Li</i>	
Modeling for the Basic Education Information Platform Based on UML .....	79
<i>Ze-min Zhu</i>	
Solving Multi-objective Optimization Problems with Chaotic Ant Swarm .....	83
<i>Renmin Han, Jun Huang, Junping Wang, and Danqing Guo</i>	
Reliable Multiple Object Tracking under Heavy Occlusions .....	88
<i>Tian-jian Liu and Ping Xu</i>	
Least-Square Regularized Regression in Compressed Domain .....	93
<i>Weijun Lu, Yi Tang, and Hong Chen</i>	
An Analysis of Stability of ECOC Kernel Machines .....	97
<i>Weijun Lu, Hong Chen, and Dexin Cheng</i>	
A User-Centric Trust and Reputation Method for Service Selection .....	101
<i>Surong Yan, Xiaolin Zheng, and Deren Chen</i>	
Intelligent Match Algorithm of Information Retrieve Interest .....	106
<i>Wang Yuan</i>	

Research on Energy Feedback Based on SVPWM Algorithm for Three-Level .....	110
<i>Wei Tian, Junmin Zhang, and Zhijun Zhang</i>	
Fingerprinting for Copyright Protection in P2P Context .....	114
<i>Haibo Gao, Wenjuan Zeng, and Zhen Chen</i>	
The Design of On-vehicle Digital Terminal Based on Embedded System .....	118
<i>Weihua Zang, Rui Guo, and Mingsheng Liu</i>	
Traffic Monitoring Using Floating Car Data in Hefei .....	122
<i>Tiedong Wang, Tingjian Fang, Jianghong Han, and Jian Wu</i>	
Application of EMD in Modal Parameter Identification of Structures under Ambient Excitation .....	125
<i>Zhaowei Sun and Xiaoping Liu</i>	
A Novel Approach to Hide Information Based on MPEG B-Frames .....	129
<i>Peng Zheng, Bo Zhao, Minzhong Liu, and Yueyun Shang</i>	
Extracting Land Use/Cover of Mountainous Area from Remote Sensing Images Using Artificial Neural Network and Decision Tree Classifications: A Case Study of Meizhou, China .....	133
<i>Yong-zhu Xiong, Run Wang, and Zhi Li</i>	
Application of Rough Set-SVM Model in the Performance Evaluation of Supply Chain .....	137
<i>Ruihong Zhang, Rong Cao, Dachao Lin, and Lan Qiao</i>	
The Trust Development Policy of Critical System .....	141
<i>Yin Hu and Chaoyang Zhang</i>	
Combined Forecast Model of Refined Oil Demand Based on Grey Theory .....	145
<i>Qimin Zhang, Ning Chen, and Junchao Zhao</i>	
Orthogonal Collocation Methods and ADI Methods for Wave Equations with Variable Coefficients .....	149
<i>Ning Ma</i>	
Numerical Methods and Analysis for Compressible Miscible Displacement .....	153
<i>Ning Ma</i>	
Complex Model of System Requirements Analysis .....	157
<i>Xiaoyong Liao</i>	
A Novel 3-D Error Correcting Code Model with its Optimal Time Algorithm Analysis .....	161
<i>Guo-qiang Yu and Jian-an Mo</i>	
Research on the Early Warning Model of Enterprise Online Trust Crisis Based on Web Mining .....	165
<i>Yitang Zeng, Chunhui Tan, and Lijuan Hu</i>	
Prediction of Fiber Diameter of Melt Blowing Nonwovens Produced by Dual Slot Inset Sharp Die .....	169
<i>Zhao Bo</i>	
Design and Implementation of an Embedded Diagnosis System for Radar Built-in Test Equipment .....	173
<i>Xianzhi Zhang and Wen Sheng</i>	

Clustered Feedback with Proportional Fair Scheduling Algorithm for Multi-user OFDM Systems .....	177
<i>Lin Huang and Nian-sheng Chen</i>	
The Application of CUDA Architecture in Facial Expression Recognition .....	180
<i>Jianqiang Lv and Chunfen Xia</i>	
Research State of Charge Estimation Tactics of Nickel-Hydrogen Battery .....	184
<i>Zhihui Cai, Guofan Liu, and Jing Luo</i>	
Spatial Interpolation Method of Scalar Data Based on Raster Distance Transformation of Map Algebra .....	188
<i>Xiepeng Geng and Peng Hu</i>	
Study on View-Based Composite Connectors Modeling Method .....	192
<i>Zehong Lin and Xueyan Zhou</i>	
A Trust Quantification Algorithm Based on Fuzzy Comprehensive Evaluation .....	196
<i>Shunan Ma, Jingsha He, Feng Gao, and Jing Xu</i>	
Intrusion Detection Based on Fuzzy Association Rules .....	200
<i>KaiXing Wu, Juan Hao, and Chunhua Wang</i>	
Research and Design of Meta-search Engine Oriented Specialty .....	204
<i>Guang-ming Li and Wen-juan Geng</i>	
The Study of Force Control with Artificial Intelligence in Ceramic Grinding Process .....	208
<i>Yuan-yuan Lu and Jin-hui Dong</i>	
Study on a SVG-Based Modular Graphics Generation System .....	212
<i>Yongxiang Hu</i>	
Forecast of Cerebral Infraction Incidence Rate Based on BP Neural Network and ARIMA Combined Model .....	216
<i>Fu Peng Tian and Liang Liang Ma</i>	
Parallel Polygonization of Implicit Surfaces .....	220
<i>Bin Yang, Gui-Lin Chen, and Ming-Yong Pang</i>	
Design and Implementation of an XML-Based Penetration Testing System .....	224
<i>Bin Xing, Ling Gao, Jing Zhang, and Deheng Sun</i>	
Web Services Trustworthiness Evaluation Based on Fuzzy Cognitive Maps .....	230
<i>Ben Wang, Xingshe Zhou, Gang Yang, and Yalei Yang</i>	
On the Asymptotic Behavior of Second Order Nonlinear Differential Equations .....	234
<i>Juan Luo, Zhimin Luo, and He Qingyan</i>	
Discussion on the Nonlinear Dynamics of Antibody Number in the Antibody Concentration Inspired Network Security Detection Method .....	237
<i>Hui Zhao, Wen Chen, and Chieh Tsang</i>	
A Web Page Malicious Script Detection Method Inspired by the Process of Immunoglobulin Secretion .....	241
<i>Hui Zhao and Wen Chen</i>	
Real-Time Blind Source Separation of Speech Signals with Adaptive Particle Swarm Optimization .....	246
<i>Taohua Luo</i>	

Small World-Based Query Mechanism .....	250
<i>Zhiqiang Liu, Lifang Wang, Zhike Zhang, Aihua Zhang, and Zejun Jiang</i>	
The Modeling of Service Composition Path Selection Problem: Research on Linear-Structured Composed Service Routing Problem .....	254
<i>Yan-mei Zhang and Jian Wang</i>	
Application of Delta-bar-Delta Rules Trained Back-Propagation Neural Networks in Nuclear Fusion Pattern Recognition .....	258
<i>Nan Yu, Jiarong Luo, Shuangbao Shu, and Binxuan Sun</i>	
Simulation Research Based on an Improved Genetic Algorithm .....	262
<i>Jiang Jing, Boxue Tan, Lidong Meng, and Lin Jiang</i>	
An Integrated DEA-NN Method for Supplier Performance Evaluation .....	266
<i>Yuwei Tong and Minghui Yu</i>	
Study on Information Management and Security of E-commerce System .....	270
<i>Xin Tian and Wei Dai</i>	
A Reputation-Based Incentive Mechanism in Anonymous Communication System .....	274
<i>Yanhui Wu, Sichun Wang, and Shuchu Xiong</i>	
Performance Analysis of Reputation-Based Anonymous Communication System .....	278
<i>Yanhui Wu and Sichun Wang</i>	
The Computing Method of Semantic Relevancy of Clauses in Chinese Compound Sentence .....	282
<i>Jiangbo Shu and Jianhong Yang</i>	
Power-Law Distribution of Human Behaviors in Internet Forums .....	286
<i>Xia-Meng Si and Yun Liu</i>	
New Turbo Equalization Algorithm Using ICI Cancellation for OFDM Systems .....	290
<i>Guoqiang Gong and Ping Xia</i>	
Data Mining Based Measurement Method for Software Trustworthiness .....	293
<i>Yuan Yuyu and Han Qiang</i>	
Research of a New Fuzzy Reasoning Method by Moving of Fuzzy Membership Functions .....	297
<i>Cholman Ho, Jingjiao Li, and Sonil Gwak</i>	
Data Fusion for Geometrical and Pixel Based Lip Feature .....	301
<i>Mengjun Wang and Gang Li</i>	
An Intelligent Controller Design for Automobile Anti-collision Based on Fuzzy Network .....	305
<i>Hai-ru Guo and Zhi-min Li</i>	
Research of Traffic State Identification Based on Probe Vehicle .....	309
<i>Junge Bai and Liang Zhao</i>	
The Design and Implementation of Signal Reconnaissance Receiver Based on FPGA .....	312
<i>Zhengjing Huang, Xiaolin Zhang, and Xiaoming Chang</i>	
3D Pose Determination and Non-linear Image Registration of Circular Traffic Sign .....	316
<i>Lei Ren, Fang Cao, and Zhonggen Yang</i>	
Research in Correlation Algebraic Attack on AES First Round .....	320
<i>Yuanyuan Zheng and Tao Wang</i>	

The Research on Concept Semantic Similarity Computing Based on Semantic Tree .....	324
<i>Wei Zhang, Liguao Duan, and Junjie Chen</i>	
Modeling and Protocol Design for a Class of Networked Control Systems .....	328
<i>Zhang Li, Xin Shi, Yi-Long Zhang, Neng-Shun Wang, and Qi Zeng</i>	
A Model for Tree Diameter Distribution in Stands Based on Artificial Neural Network .....	332
<i>Shuo Cai, Xin-gang Kang, Li-Xin Zhang, Zhi-wen Gong, Lei Qin, and Ping-teng Chen</i>	
The DBH Growth Process of Larch in Northeast was Modeled by Computer .....	337
<i>Ping-teng Chen, Xin-gang Kang, Zi-wen Gong, Hua Yang, and Shuo Cai</i>	
Robust Segmentation Using Marked Regular Pyramid and Mean Shift .....	341
<i>An Li, Xue-mei Xu, Qiaoyun Guo, and Qin Mo</i>	
Computation of Real-Time Optical Flow Based on Corner Features .....	345
<i>Qiaoyun Guo, Xuemei Xu, An Li, and Qin Mo</i>	
Towards Semantic Matching of Attributes in Multi-domain Access Control .....	349
<i>Ke Ke, Ou Li, and Changzheng Xu</i>	
An Image Segmentation Method for Quasi-circular Immune Cells .....	353
<i>Ruihua Xia, Ping Wang, and Qingmin Zhao</i>	
Research on User Requirements Elicitation Using Text Association Rule .....	357
<i>Lili Dong, Xiang Zhang, Na Ye, and Xiaoge Wan</i>	
The Analysis of Emotion Recognition from GSR Based on PSO .....	360
<i>Guanghua Wu, Guangyuan Liu, and Min Hao</i>	
Protecting the Confidentiality of Virtual Machines Against Untrusted Host .....	364
<i>Jinzhong Kong</i>	
An Improved Extracting Chinese Term Method Based on C/NC-Value .....	369
<i>Jianzhou Liu and Xiongkai Shao</i>	
Wavelet Transform and its Application to ICESat-GLAS Full Waveform Data .....	373
<i>Hongbo Wu and Yanqiu Xing</i>	
The Analysis of Database Remote Attack Defense .....	378
<i>Shuguang Wang and Shao Qian</i>	
Research on Workload Adaptation Architecture for DBMS .....	382
<i>Shao Qian and Shuguang Wang</i>	
Optimization of Task Allocation and Knowledge Workers Scheduling Based on Ant Colony Algorithm .....	386
<i>Qing Wang and Min Liu</i>	
Improvement and Application of HAZOP Analysis for Batch Process with SDG .....	390
<i>Xin Xu, Beike Zhang, Xin Ma, and Chongguang Wu</i>	
Blasting Vibration Forecast Base on Neural Network .....	395
<i>Haiwang Ye, Fang Liu, Jian Chang, Lin Feng, Yang Wang, Peng Yao, and Kai Wu</i>	
Striping Removal in Multi-beam Passive Millimeter Wave Image .....	399
<i>Hongyi Ye, Liangchao Li, and Jianyu Yang</i>	
Achievement of Dynamic Link Library Insertion under .Net .....	403
<i>Zhiyuan An and Haiyan Liu</i>	
The Source Code Plagiarism Detection Using AST .....	406
<i>Xiao Li and Xiao Jing Zhong</i>	

Research on Inform Rivalry Model and Dynamic Defense System under Network Environment .....	409
<i>Wei-men Gao and Gui-xiang Li</i>	
Improved Particle Swarm Optimization in Design of Heterogeneous Distributed System .....	413
<i>Jin-Guo Zhao and Qing-Yun Luo</i>	
Dynamic Authorization of Grid Based on Trust Mechanism .....	417
<i>Xiao-jun Zhu, Shi-qin Lv, Xue-li Yu, and Guang-Ping Zuo</i>	
Contourlet-S and Generalized Gaussian Model Texture Image Retrieval System .....	422
<i>Jian-Zhong Ma and Xin-Wu Chen</i>	
IIR Digital Filter Design Based on DSP and SOPC .....	426
<i>Jian-ping Zhang, Ling-ling Pan, and Quan-fei Ding</i>	
A Solution on the Enterprise Knowledge Management with Complexity .....	431
<i>Min Wang, Jiang Wang, and Yanzhao Li</i>	
Design and Implementation of Object Pool Based on J2ME RMS .....	435
<i>Liang Zhao, Yang Xia, and Wei Zhang</i>	
Network Computing Based on the Credibility of Environmental Studies .....	439
<i>Yuhua Wang and Dawei Gu</i>	
A New PR-Tree Index Based on Pyramid Division .....	442
<i>Guobin Li and Jine Tang</i>	
Fast Multi-spectral Image Coding Algorithm Based on Fractal .....	446
<i>Lei Zhu and Jing Yang</i>	
The Design and Implementation of Removable Storage Device Monitoring System Based on WDM Filter Driver .....	450
<i>Shaobo Li, Zhisheng Shao, Shulin Lv, and Xiaohui Jia</i>	
Optical Flow Analysis Based on Cellular Neural Networks .....	454
<i>Lei Zhang and Yi-fang Weng</i>	
Research and Implementation of an Anomaly Detection Model Based on Clustering Analysis .....	458
<i>Han Li</i>	
Research on Optimal Interfering Signal in Radio Anti-cheat System .....	463
<i>Lei Sun and Hang Zhang</i>	
Electrical and Mechanical Character of Smart Film for Crack Monitoring of Concrete Bridges .....	467
<i>Yong Xu, Zhixiang Zhou, and Benniu Zhang</i>	
Credibility Evaluation of Missile Flight Simulation Model .....	471
<i>Yanyan Zhou, Dongyang Zhang, and Baoxiang Ren</i>	
Research on the Optimal Disposition of Near Space Multi-sensor Platform .....	475
<i>Dongyang Zhang, Yanyan Zhou, Shucai Huang, and Daozhi Wei</i>	
The Compressive Sensing Based on Biorthogonal Wavelet Basis .....	479
<i>Shunliao Yang, Zhengbing Zhang, Hong Du, Zhenghua Xia, and Hongying Qin</i>	



Research on Teaching Reformation of the Database Curriculum for Private Colleges and Universities Teaching Non-computer Majors .....	483
<i>Feng-Ling Wang</i>	
Nonlinear Decoding for Precoded Spatial Multiplexing Systems with Limited Feedback .....	487
<i>Hongliang Fu, Tiejun Yang, Yong Tao, and Dexian Zhang</i>	
Formal Photograph Compression in JPEG2000 Coding .....	491
<i>Jun Hou, Wen Chen, and Jing Yang</i>	
Seamless Image Stitching Using Optimized Boundary Matching for Gradient and Curvature .....	495
<i>Fang Cao, Zhijiang Zhang, and Qi Zhang</i>	
The Simulation Research on the Evacuation Model of Supermarket by Using GIS and Agent-Based Modeling Technology .....	499
<i>Shuangyun Peng, Kun Yang, Quanli Xu, and Yuhua He</i>	
Joint Error Correction and Encryption Scheme Based on Turbo Codes .....	503
<i>Qian Mao, Longji Sun, and Chuan Qin</i>	
A Network Access Control Approach for QoS Support Based on the AAA Architecture .....	507
<i>Shujuan Wang and Mangui Liang</i>	
Application on Image Fusion Based on Balanced Multi-wavelet .....	512
<i>Lijun Liu and Hui Zhang</i>	
IFF Copy Protection Based on DS28E01 and Nios II processor .....	516
<i>Xien Ye and Zirui Huang</i>	
An Improved Canny Edge Detector Against Impulsive Noise Based on CIELAB Space .....	520
<i>Jun Zeng and Dehua Li</i>	
Research and Application Based on Full Digital DC Speed Adjusting Device in Mine Hoist Automation System .....	524
<i>Huaizhong Chen</i>	
Research on Real-Time Lane Line Detection Techonogy Based on Machine Vision .....	528
<i>Huaizhong Chen and Zheliang Jin</i>	
Web Services Integration on Data Mining Based on SOA .....	532
<i>Jin Li and Bo Song</i>	
Multi-parallel Architecture for MD5 Implementations on FPGA with Gigabit-level Throughput .....	535
<i>Dongjing He and Zhi Xue</i>	
Research on Method in Detecting Cavity of the Cross-Section of Fiberboard Based on Image Processing .....	539
<i>Jian-fei Zhang and Yan Ma</i>	
An Automatic Incident of Freeway Detection Algorithm Based on Support Vector Machine .....	543
<i>Zhou Zhou and Lin-ying Zhou</i>	
Research of Time Performance of Field Bus System on Electric Wheel Truck .....	547
<i>Shuxin Chen, Jinhua Jia, and Qi Na</i>	

A Research of the Partition Clustering Algorithm .....	551
<i>Jing-zhong Xiao and Li Xiao</i>	
An Efficient System for Content-Based Hand Language Video Searching under Complex Background .....	554
<i>Shilin Zhang and Mei Gu</i>	
Video Segmentation Using Acoustic Analysis .....	558
<i>Shilin Zhang and Mei Gu</i>	
Optimized Design and Applications of Axial-flow Fan .....	562
<i>Mei Qi, Chuanjiang Guo, and Huizhen Liang</i>	
Research on Flexible Manufacturing Execution System Platform .....	565
<i>Jinliang Chen, WeiPing He, Wenrui He, and Yanli He</i>	
Study of Anti Jamming of Radar Signal Based on Sparse Decomposition .....	569
<i>Fuping Yu, Youqian Feng, Dahua Gao, and Qinli An</i>	
Rectangle Algebraic Attack of Serpent Encryption Algorithm .....	573
<i>Wenlue Chen, Boli Li, and Zhihua Hu</i>	
An Elementary Change of Matrix in the Use of Find the Solution of Equation .....	577
<i>Qingfang Zhang</i>	
Security Analysis of WAPI Key Negotiation Protocol .....	581
<i>Zaiqiang Ku, Nian Chen, and Zhihua Hu</i>	
Security Analysis and Improvement of WAPI Protocol .....	585
<i>Nian Chen, Zhihua Hu, and Zaiqiang Ku</i>	
Related-Key Collision Attack of AES_256 .....	589
<i>Zhihua Hu and Zhongping Qin</i>	
Analysis and Design of the System for Detecting Fuel Economy .....	593
<i>Lei Liu, Michael Leon, and Li-hong Sun</i>	
Reputation and Role Based Access Control Model for Multi-domain Environments .....	597
<i>Huang Yong</i>	
Fuzzy Evaluation Algorithm of Teaching Effect .....	601
<i>Weiguang Kong</i>	
USB Key-Based Approach for Virtual Assets Protection .....	604
<i>MeiHong Li, Yibing Zhao, JiQiang Liu, and Jun Wang</i>	
Design and Implementation of Student Information Management System .....	607
<i>Zhibing Liu, Huixia Wang, and Hui Zan</i>	
An Optimized Method of Inter Modes Selection in H.264/AVC .....	611
<i>Guoxing Bao and Honghua Hu</i>	
E-commerce Reputation Modeling Based on Fuzzy Relation .....	615
<i>Meiyu Fang, Xiaolin Zheng, and Deren Chen</i>	
Cryptanalysis of an Efficient Hierarchical Identity Based Signature Scheme in the Standard Model .....	619
<i>Xu An Wang, Weidong Zhong, and Haining Luo</i>	
Cryptanalysis of Efficient Identity Based Signature/Signcryption Schemes in the Standard Model .....	622
<i>Xu An Wang, Weidong Zhong, and Haining Luo</i>	

Particle Filtering Object Tracking Based on Texture and Color .....	626
<i>Hongwei Ying, Xuena Qiu, Jiatao Song, and Xiaobo Ren</i>	
The Development of an Intelligent Insulating Oil Dielectric Strength Testing Equipment .....	631
<i>Yang Fan, Du Siping, Liu Chang, and Xiao Bei</i>	
A Tolerance Rough Sets Theory-Based Knowledge Reduction Method in Knowledge Discovery in Databases .....	634
<i>Yuanyuan Wei and Changhua Wei</i>	
Application of BCC Algorithm and RBFNN in Identification of Defect Parameters .....	638
<i>Wei Kou, Feng-rui Sun, Li Yang, and Lin-gen Chen</i>	
Face Detection Method Research and Implementation Based on Adaboost .....	643
<i>Dai Chen, Ji-lin Wang, and Yong Zhou</i>	
A New Roadmap Constitution Method Based on Dividing Grid and Level-Set .....	647
<i>Shidong Li, Mingyue Ding, and Chao Cai</i>	
Improved Ant Colony Algorithm for Multipath Routing Algorithm Research .....	651
<i>Na Lin and Zhixue Shao</i>	
A Wideband Monopole with Parasitic Elements Design .....	656
<i>Bin Zhou, Guizhen Lu, and Yuming Hu</i>	
Image Fusion Based on Lifting Wavelet Transform .....	659
<i>Xiaohong Xiao and Zhihong Wu</i>	
Design and Application of Intelligent Reasoning Module Based on Rough Set .....	663
<i>Zu-qiao Yang, Gui-mei Liu, Xiao-hong Xiao, and Han-ping Gao</i>	
Improvement and Implementation on UMHexagonS Algorithm in H.264 Reference Software .....	667
<i>Zhihong Wu and Huixia Wang</i>	
Research about High Performance Disk Array in Stream Media Server .....	671
<i>Ding-Xue Wu and Guo-song Jiang</i>	
Intrusion Detection Models Analysis and Study of a New Structure .....	675
<i>Guo-song Jiang and Zhi-chao Yu</i>	
Design and Implementation of I/O Scheduling Algorithm Base on RAID Controller .....	679
<i>Guo-song Jiang and Zhi-chao Yu</i>	
Trusted Computing-Based Double Factor Authentication for Mobile Terminals .....	683
<i>Gaizhen Yang and Fen Zhou</i>	
Network Intrusion Detection Using Rough Sets Based Parallel Genetic Algorithm Hybrid Model .....	686
<i>Fen Zhou and Gaizhen Yang</i>	
Content Based Video Retrieval Using Spatiotemporal Salient Objects .....	689
<i>Han-ping Gao and Zu-qiao Yang</i>	
Image Scrambling Encryption Algorithm Based on Limited Integer Domain .....	693
<i>Ruihong Zhang and Zhichao Yu</i>	
Spatial Changes of Cultivated Land in Zhongshan City Based on RS and GIS .....	697
<i>Hengyao Tang and Yuan Fang</i>	

The Analysis of XML Technology in Network Security .....	701
<i>Zhou Jing</i>	
Media Switch Architecture Base on VOD .....	705
<i>Li-yan Chen and Yuan Fang</i>	
Spatial Distribution and Variation of Soil Cu Environmental Background Value in Guangdong .....	709
<i>Yuan Fang and Li-yan Chen</i>	
<b>Author Index</b> .....	<b>714</b>