

2012 International Workshop on Information and Electronics Engineering

Procedia Engineering Volume 29

**Harbin, China
10-11 March 2012**

Volume 1 of 5

**ISBN: 978-1-62748-585-2
ISSN: 1877-7058**

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© by Elsevier B.V.
All rights reserved.

Printed by Curran Associates, Inc. (2013)

For permission requests, please contact Elsevier B.V.
at the address below.

Elsevier B.V.
Radarweg 29
Amsterdam 1043 NX
The Netherlands

Phone: +31 20 485 3911
Fax: +31 20 485 2457

<http://www.elsevierpublishingsolutions.com/contact.asp>

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com



Contents

Preface	1
RFID-based Hazardous Waste Management Platform Establishment L. Huida, F. Bingchen, Y. Liheng, L. Yanan	4
Target Classification based on a Combination of Possibility and Probability likelihood in the Bayesian Framework W. Meia, Y. Xiao, G. Wang	9
Analysis of Harmonics Infiltration Produced by Electrification Railroad on 220KV and 35KV Network W. Xiao-dong, W. Jin-hao	15
A Replication Detection Scheme for Sensor Networks X. Wang, Y. Liao	21
The Research of Secret Image Sharing based on RS Erasure Code D. Tang	27
An Optimized AOMDV Routing Algorithm based on Self-Adaptive Node Speed in Wireless Sensor Network F.Z. Fu, Z. Ling, W.X. Yu	33
An Efficient Inter Mode Decision Method for MVC Q. Zhang	38
Introduction of Clinical, Simulation-based Software for Medical Sciences Teachings B. Shahbazi, M. Edalat-nejad, N. Edalat-nejad, M. Edalatnejad	43
The Fast Medical Image Segmentation of Target Region based on Improved FM Algorithm D. Junfeng, Y. Yunyang	48
An Optical Performance Monitoring Model based on RBFANN Trained with Eye-Diagram M. Wang, S. Wang	53
Interaction Mechanical Analysis between the Lunar Rover Wheel-Leg Foot and Lunar Soil X.-l. Yu, L. Fang, J.-f. Liua	58
A New Method of Reduce Monocrystalline Silicon Solar Cells Surface Reflection by Silver Mirror Reaction G. Tailong, L. Zhiqiang, C. Minghua	64
Research on the Planning and Construction of Platform of Comprehensive Informatization Service in Colleges and Universities W. Yang, Y. Jun, L. Zhenhua	69
Motion Segmentation based on Edge Detection L. Xiang, W. Xiaoqing	74
Design of Remote Monitoring System for Aquaculture Cages based on 3G Networks and ARM-Android Embedded System Y. Wang, C. Qi, H. Pan	79
Quantitative Analysis of the Effect of Optical Probe Positioning on the Measurements of Flattened Diameter of Ocular Cornea for Applanation Tonometry X. Zhang, X. Wu, J. Ma, R. Lu, Q. Zhao	84
EBVCR: A Energy Balanced Virtual Coordinate Routing in Wireless Sensor Networks J. Sun, J. Yu, L. Zhu, k. Tang, H. Chen	89
Teaching Innovation and Exploration of College Electronic Measurement Technology Course C. Ruqing, L. Jiachun	94
Digital Charger Powersource for Electric Vehicle based on TMS320LF2407A W. Li-wei, W. Dian-long	99
MPPT Control for PV Generation System based on an Improved Incond Algorithm Y. Zou, Y. Yu, Y. Zhang, J. Lu	105
Evolutionary Computing based Modular Control Design for Aircraft with Redundant Effectors A.H. Khan, Z. Weiguo, Z.H. Khan, S. Jingping	110
The Complexity and Algorithm for Minimum Expense Spanning Trees Z. Ning, W. Longshu	118
Design of Software to Search ASP Web Shell X. Mingkun, C. Xi, H. Yan	123
A Design of Underwater Acoustic Responder based on Spread-Spectrum Communication J. Chen, H.J. Wan, X.W. Wang	128

Research on Cloud Data Storage Technology and its Architecture Implementation K. Liu, L. Dong	133
A Framework of Knowledge Management Systems for Tourism Crisis Management Z. Jia, Y. Shi, Y. Jia, D. Li	138
Novel Cableless Magnetic Actuator Capable of High-Speed Locomotion in a Thin Pipe by Combination of Mechanical Vibration and Electromagnetic Force T. Izumikawa, H. Yaguchi	144
Study on the Transmission of the Text Documents with the Sound Card X. Liu, D. Zhao	150
The Design of Microcomputer Principle Experiment Device X. Liu, D. Zhao	154
A Condition for Almost Global Stability and Local Asymptotical Stability of Nonlinear System J. Yu, J. Wang, Q. Li	159
Online EM Algorithm for Background Subtraction P. Chen, X. Chen, B. Jin, X. Zhu	164
Gas Outburst Risk Analysis based on Pattern Recognition of RSSVM Model J. Liu, F. Zeng, Z. Guo	170
Moving Object Tracking based on Codebook and Particle Filter Q. Zhong, Q. Zhang, T. Guo	174
Temperature Optimization and Control of Optimal Performance for a 300W Open Cathode Proton Exchange Membrane Fuel Cell Q. Li, W. Chen, S. Liu, Z. Gao, S. Yang	179
A Fast Passenger Detection Algorithm based on Head Area Characteristics B. Wang, Z. Chen, J. Wang, L. Zhang	184
A Trajectory Tracking Method for Welding Manipulator based on Fuzzy Gauss Function Neural Network C. Cheng, B. Wu	189
Study on the Influence caused by Temperature to a Pulsed Thrust Test Stand for the Attitude Control Rocket Engine F. Ma, J. Zhang, M. Qian, Q. Xing	194
A Novel Probabilistic Model Based Fingerprint Recognition Algorithm D. Fan, P. Yu, P. Du, W. Li, X. Cao	201
Weighted Measurement Fusion Fractional Order Kalman Filter X. Sun, G. Yan	207
Distributed State Fusion Kalman Predictor based on WLS Algorithm X. Sun, G. Yan	216
Research on the Model Construction of Teachers' Tacit Knowledge Sharing based on Social Software X. Zhong, K. Qu	223
The Application of Generating Fuzzy ID3 Algorithm in Performance Evaluation Y. Li, D. Jiang, F. Li	229
Data Mining Applications in e-Government Information Security T. yuan, P. Chen	235
The Impact of Cloud Computing Technology on Legal Infrastructure within Internet—Focusing on the Protection of Information Privacy F.-C. Cheng, W.-H. Lai	241
Defects Detection System for Steel Tubes based on Electromagnetic Acoustic Technology D. She, G. Gao, X. Peng, Z. Gao	252
Application of Expert Fuzzy PID Method for Temperature Control of Heating Furnace D. She, G. Gao, Z. Gao, X. Peng	257
Development of an Equipment Room Environment Monitoring System based on Wireless Sensor Network and Mobile Agent Z. Jiang, X. Gu, J. Chen, D. Wang	262
Mathematical Modeling for Convection-Enhanced Drug Delivery L. Zhang, M. Yang, M. Jiang	268
Study on Integrating BACnet with IPv6-based Wireless Sensor Networks P. Zhou, X. Lei, Z. Lv	275
Demand Forecasting of Supply Chain based on Support Vector Regression Method G. Wang	280
A Blind Digital Watermark Method based on SVD and Chaos J. Song, J. Song, Y. Bao	285
The Design of Experimental Teaching System for Digital Signal Processing based on GUI J. Song, G. Wang, Y. Zhu	290
Nonlinear Process Monitoring using Dynamic Sparse Kernel Classifier X. Deng, T. Xuemin	295
High Performance VLSI Architecture of Bi-directional Motion Search for B Picture in H.264 M.-H. Gu, R. Kong	301
Analysis and Online Testing of the Transformer Winding Deformation B. Liu, W. Zhou	306

The Analysis and Validation of Two-Dimensional Attitude Measurement with GPS L. Zhao, Z. Yuan, S. Gao	311
Fully Secure Broadcast Encryption for Inner-Product Predicates S. Jin, Y. Hu	316
The Application of MATLAB in Communication Theory G. Liu, Y. Gao	321
Design of RFID Card Reading System J. Niu, C. Xu, P. Chen, M. Liang	325
Design of USB-CAN Controller based on PIC18F4580 J. Niu	329
Design of Wireless Fire Crisis Monitor for Building J. Niu	334
A New Situation Assessment Model for Modern within-Visual-Range Air Combat Z. Siyu, W. Wenhai, Z. Shengming, Q. Zhigang	339
An Edge Detection Method in DCT Domain Z. Qian, W. Wang, T. Qiao	344
Space Correlation based Joint Admission Control in Cognitive MIMO Systems L. Hua	349
Analysis on the Training of Shandong Shipping Talents X. Cheng, S. Wu	354
A Literature Study on Business Culture and Management in Taiwan and Mainland China C.-C. Chen	360
An AIS Data Visualization Model for Assessing Maritime Traffic Situation and its Applications J. Pan, Q. Jiang, J. Hu, S. Zheping	365
UHVDC Communication System G. Rao, X. Cui	370
A Review on the Numerical Inversion Methods of Relative Permeability Curves J. Hou, D. Wang, F. Luo, Y. Zhang	375
TE Polarization Extraordinary Transmission through Metallic Grating with Subwavelength Slits H. Li, B.-C. Liu	381
Function S-Rough Sets Over-Dual-Universes and Law Identification Y. Cui, J. Wang, Y. Fang	386
Design and Analysis of RF Power Amplifier based on WCDMA j. Chen, T. Bai, X. Jiang, Yaona, S. Boni	393
The Application Research of OLAP in Police Intelligence Decision System L. Shen, S. Liu, S. Chen, X. Wang	397
An Authenticated Group Key Transfer Protocol based on Secret Sharing Y. Sun, Q. Wen, H. Sun, W. Li, Z. Jin, H. Zhang	403
The Improvement of SPGD Algorithm Convergence in Satellite-to-Ground Laser Communication Links E. Chen, H. Cheng, Y. An, X. Li	409
The Study on Device Application Development and Data Synchronization H. Ren, Z. Duan	415
Infrared Small Targets Detection based on MRF Model X. Sun, G. Fang	420
Two Kinds of Parabolic Equation Algorithms in the Computational Electromagnetics K. Meng, M. Chen, Y. Hu, X. Wu	425
Practices and Thoughts on Information Management Tax Z. Liu, L. Yang, C. Ning	430
Design of Linear Phase Nonuniform Filter Banks with Interpolated Prototype Filters M. Wang, J. Wan, Y. Zhao	435
Correlation Analysis of Network Events based on FCA H. Zhi, D. Zhi, B. Xu	441
Research on Knowledge Base System of Coal Energy Saving based on TRIZ Theory D. Wang, Q. Sun, N. Jing	447
Research on DC magnetic Bias of Power Transformer X. Zhou, Z. Zhou, Y. Ma	452
The Research of Active Disturbance Rejection Control on Shunt Hybrid Active Power Filter Y. Ma, J. Zhao, X. Zhou	456
Research on the Smooth Output of Renewable Energy Y. Ma, B. Ma, X. Zhou	461
The Application of Power Electronic Switches in High Voltage Quick Switching Device Y. Ma, Y. Yang, X. Zhou	466

Chaos Phenomena in DC-DC Converter and Chaos Control X. Zhou, J. Li, Y. Ma	470
Research on Dangerous Reservoir Analysis and Management System W. Xu, W. Guo, H. Yu, K. Hou	474
A Robust Fuzzy Neural Control Approach for Vehicle Lateral Dynamics C.-S. Ting, Y.-N. Chang	479
Research on Case Teaching of Software Development Comprehensive Practice based on Project Driven H. Sun, R. Jia	484
Research on the Analysis and Design of General Test Database Management System H. Sun, R. Jia	489
Dimensionality Reduction based on Neighborhood Preserving and Marginal Discriminant Embedding Y.-D. Lan, H. Deng, T. Chen	494
A Qualitative Meta Analysis Review on Medical Image Registration Evaluation M. Tang, F. Chen	499
The Application of the Campus Experimental Project Management System based on Intranet Technology S. Zhou, D. Feng, C. Li, Y. Xu	504
Influencing Factors of Credibility in C2C Ecommerce Web Sites S. Zhou, D. Feng, Y. Xu, Y. Zhou	509
Blind Estimation of Carrier Frequency and Symbol Rate based on Cyclic Spectrum Density J. Yang, W. Yang, G. Xu	514
A Line-Selection Method of Data Fusion based on Neural Network Y. Xiong, S. Wang, W. Zhang	520
Obtaining a Series of Exact Solutions to Charge Density Wave Equations in Conductive Polymer D. Cao, L. Pan, Y. Sun, J. Yan	526
Multi-State System Reliability: A New and Systematic Review Y. Guo, J. Li	531
The Research of Text Mining based on Self-Organizing Maps Y. Ding, X. Fu	537
Application and Research of Fuzzy Control Simulation in Twin Screw Extruder P. Zhou, H. Liu, K. Tan, C. Chen	542
Design and Research of Improved Digital Phase-Locked Loop based on FPGA J. Ye, G. Zhou, H. Liu	547
A Study on Supply Chain Information Integration of Commodity Circulation based on Grid Y. Jiang, X. Li	553
System on Temperature Control of Hollow Fiber Spinning Machine based on LabVIEW M. Zhang, J. Yun, G. Jin, G. Liu	558
Study of the Influence of Blasting Load on Fresh Concrete at Adjacent Chambers based On DDA J. Wei, W. Yanhai, F. Qiang	563
High-Capacity and High-Efficient Deterministic Secure Quantum Communication based on Four-Qubit W State G. Zhao, D. Wang, Z.-R. Zhu, X.-M. Mao	568
A Data-Aided EVM Estimator for SNR Utilizing Zadoff-Chu Sequence as Preamble X. Li, Y. Chi, X. Tan, Y. Zhao	573
Research on the Embedded Heterogeneous Multi-Core Design Method for 100GbE Network Processor X. Zeng, L. Zhao, D. Bian	579
Design and Implementation of Reusable Components using PowerBuilder Z. Tang, X. Zhang, L. Huang	584
An Adaptive Progressive Mesh Reconstruction Algorithm for Spatial Discrete Points S. Zhang	589
Prediction of Railway Cargo Carrying Capacity in China based on System Dynamics F. Feng, D. Lan	597
Optimization of Spectrum Sensing over Imperfect Reporting Channel J. Lu, P. Wei	603
Multi-channel ARMA Signal Covariance Intersection Fusion Kalman Predictor P. Zhang, W. Qi, Z. Deng	609
Covariance Intersection Fusion Kalman Smoother for Systems with Colored Measurement Noises P. Zhang, W. Qi, Z. Deng	616
Information Fusion Kalman Predictor for Two-Sensor Multichannel ARMA Signal System with Time-Delayed Measurements J. Liu, Z. Deng	623
Information Fusion Kalman Filter for Two-Sensor System with Time-Delayed Measurements J. Liu, Z. Deng	630
Self-Tuning Weighted Measurement Fusion Kalman Filter for Multi-Channel AR Signals and its Convergence G. Tao, Z. Deng	637

Self-Tuning Fusion Wiener Filter and its Convergence	
G. Tao, Z. Deng	643
Information Fusion Identification Method for the Multidimension ARMA Signal with Sensor Bias and Common Disturbance Noise	
C. Ran, Z. Deng	650
Measurement Fusion Algorithms based on Left-Coprime Factorization	
Y. Gao, Z. Deng	657
Analysis of Random Disturbances on Shop Floor in Modern Steel Production Dynamic Environment	
D. Hou, T. Li	663
A Novel RF SOI LDMOS with a Raised Drift Region	
Q. Xu, Y. Guo, Y. Zhang, L. Liu, J. Yao, G. Sheu	668
Stability of Impulsive Delayed Reaction-Diffusion Cohen-Grossberg Neural Networks via Hardy-Sobolev Inequality	
Y. Zhang, X. Lai	673
Fault Prognostic Algorithm based on Multivariate Relevance Vector Machine and Time Series Iterative Prediction	
Z. Lei	678
Design of High-Speed and Low-Power Comparator in Flash ADC	
S. Zhang, Z. Li, B. Ling	687
A 8-Bit 2Gs/s Flash ADC in 0.18 μ m CMOS	
Q. Li, Z. Li	693
Design and Verification for Data Acquisition Interface ADC_USB IP Core	
B. Ling, Z. Li, S. Zhang	699
3D Face Recognition Method based on Cascade Classifier	
B. Kun, L. Lin, Z. Li, F.S. Liang	705
A Data Key Distribution Protocol Applied to HIP-Multicast Model	
X. Zhu, Z. Ding, X. Wang	710
Implementation and Improvement of DSR in Ipv6	
Q. Liu, H. Qin	716
User Interest Modeling and Self-Adaptive Update using Relevance Feedback Technology	
Y. Zhu, H. Li, X. Wang	721
Establishment of Intelligent Identification Management Platform in Railway Logistics System by Means of the Internet of Things	
Z. Guo, Z. Zhang, W. Li	726
Algorithm of Abnormal Audio Recognition based on Improved MFCC	
C. Xie, X. Cao, L. He	731
A Li-ion Battery Management System based on MCU and OZ8920	
X. Xiao, X. Liu, L. Qiao, S. Li	738
A Study of Mobile Terminal's Cache Management and Channel Allocation	
R. Liang, Q. Xia	744
Electric Power Supply Chain Management Addressing Climate Change	
X.-H. Wang, R.-G. Cong	749
Confirmation based Self-Learning Algorithm in LVCSR's Semi-Supervised Incremental Learning	
H. Li, T. Zhang, L. Ma	754
A Design of Portable Radar Broadband Jamming and Decoy Signal Generator	
J. Zhao, D. Chen, T. Zhang	760
Aircraft Maintenance Decision System based on Real-Time Condition Monitoring	
D. Chen, X. Wang, J. Zhao	765
Research on Assembly Model based on Assembly Constraints Transformation	
D. Jiang, G. Na, K. Ji	770
The Process of Information Systems Architecture Development	
X. Zhang, Z. Sun, G. Ping	775
Study on Personalization Recommendation System based on Recruitment Information	
T. Tan, L. Tan	780
The Feasibility Analysis of Aerial Moving Target Location based on TDOA/FDOA/DSF Measurements	
B. Deng, J. Xiong, C. Xia	785
Sea Clutter Amplitude Statistics Analysis by Goodness-of-Fit Test	
X. Deng, C. Gao, J. Yang	791
Tunable Dual-Band Negative Refractive Index Metamaterial Consisting of Ferrites and SRR-Wires	
J. Zhong, Y. Huang, G. Wen, H. Sun, W. Zhu	797
The Design and Applications of Tunable Metamaterials	
J. Zhong, Y. Huang, G. Wen, H. Sun, W. Zhu	802
Detection of Dim Maneuvering Target based on Randomized Hough Transform	
C. Gao, X. Deng, C. Shi	808
Cascade Hopfield Neural Network Model and Application in Robot Moving Process	
L. Yu, W. Liang	814

Estimation of the Fabric Yarn Density based on Hilbert Marginal Spectrum S. Wang, Y. Ye	819
A Geometry-Bias-based Reconstruction of Global Photon Maps P. Cai, D. Kong, B. Yin, Y. Zhang	824
Speech Recognition based on Efficient DTW Algorithm and its DSP Implementation X. Jing, S. Xu	832
Robust Nonlinear Control of a Hypersonic Aircraft based on Sliding Mode Control Z. Hu, b. Mo, D. Zhou, W. Hau	837
Complete Information, Asymmetric Information and Environmental Tax Policy: The Application of Principle-Agent Model C.-J. Chang	843
Discuss the Management of Fiscal Information in Taiwan by Fiscal Sociology C.-J. Chang, T.-L. Chou	850
Automatic Test Pattern Generation based on Shuffled Frog Leaping Algorithm for Sequential Circuits A. Zhu, L. Zhi	856
The FPGA Implementation of Color Gamut Conversion in Laser Display B. Na, Y. Wu, W. Wang	861
Design of Multi-Mode Frequency Synthesizer for System Level Clocking Y. Lin, L. Xiang	866
Transient Stability Constrained Optimal Power Flow based on Second-Order Differential Equations X. Xia, H. Wei	874
Plant Simulating based on Bilinear Transformation Iterated Function System H.-L. Hu, H.-L. Feng, C.-Q. Xu	879
Fixed Pattern Noise Suppression Algorithm based on Background Modeling H. Tang, X.-L. Liu, S. Yang	884
Application of Conflict Analysis in Extensive Data Mining J. Zhu, J. Zheng	889
Multidimensional Game of Cournot-Bertrand Model with Incomplete Information and its Analysis X. Xiang, B. Cao	895
Research and Design of a Novel Webgis Framework based on REST and RIA J. Zhong, N. Jiang, B. Hu	903
Research on Trust Model of Sensor Nodes in WSNs G. Xiang, J. Qiu, J. Wang	909
Overview of PSO for Optimizing Process Parameters of Machining N. Yusup, A.M. Zain, S.Z.M. Hashim	914
Particle Filter Object Tracking based on Harris-SIFT Feature Matching Q. Zhang, R. Ting, H. Feng, J. Zhang	924
A New Discretization Algorithm of Linear Canonical Transform W.-L. Zhang, B.-z. Li, Q.-Y. Cheng	930
Robust Stabilization for Uncertain Stochastic Multiple Time-Delay Systems with Actuator Saturation: An LMI Approach M. Zhang	935
The Research of Risk Warning Mechanism for Metro Construction based on GIS G. Liu, H. Cui	940
No-Reference Video Quality Assessment using Statistical Features Along Temporal Trajectory J. Yao, Y. Xie, J. Tan, Z. Li, J. Qi, L. Gao	947
A Nonparametric Estimation on the Effects of Import and Export Trade to Economic Growth in China J. Chen, B. Dong	952
Research on the Multi-Scroll Chaos Generation based on Jerk Mode C. Liu, J. Yi, X. Xi, L. Au, Q. Yan, Y. Fu	957
Reliability Model based on Hypergraph for Dependent Failure System X. Shen, B. Yan, Y. Dong	962
Access Control Scheme Adapted to Topology Changes for Multi-hop Distributed Wireless Networks X. Sun, C. Wu	969
Evaluation of Visual Performance Using LED Signboards under Different Ambient Conditions C.-F. Wu, J.-J. Liou, J.-L. Lin	975
Design of Automatic Question Answering System base on CBR Z. Liang	981
Chinese Sign Language Synthesis System on Mobile Device D. Song, X. Wang, X. Xu	986
A Comparative Study on the Influence of Automated Evaluation System and Teacher Grading on Students' English Writing F. Wang, S. Wang	993
Delphi Inductive Algorithm Realization based on the Statistical Theory G. Li, Y. Lia, G. Lib	998

Research on Standard Device for Cable Fault Flashover Detector K. Zhu, H. Wang, J. Zhang, S.-Q. Wang, Z.-l. Xu	1005
Development of Standard Device for Resistive Current Tester for Zinc Oxide Surge Arrester K. Zhu, H. Wang, J. Zhang, S.-Q. Wang, Z.-l. Xu	1008
A Human-Computer Interactive Dynamic Description Method for Jiaguwen Characters Q. Li, Y. Yang	1013
Mid-Field Calibration Technology on the Phased Array Antenna Z. Chen, R. Shen, D. Kong	1018
On the Stability of Discrete Chaotic Maps M.-K. Fenga, J.-L. Liub	1023
Spare Projections with Pairwise Constraints X. Chen, J. Yu	1028
Research on Power Saving Positive Torque and Constant Power Pumping Unit and Tracking Technique System J. Xu, J. Li, J. Chen, M. Han, X. Han, J. Li	1034
Portable Detector for Dynamic Electrical Characteristics of Liquid Crystal Materials Y. Shi, M. Gao, T. Feng, J. Ji	1042
Development of a New Multi-Function Power Management DCS System Y. Shi, M. Gao, Z. He, J. Ji	1047
Assessing Risk Levels of Signal Simulation VV&A based on Feature Matching W. Hu, L. Jiang	1052
Agent-based Simulation Framework for Safety Critical System Y. Zhu, Z. Xu, M. Mei	1060
Design and Implementation of a TD_SCDMA Video Monitoring System based on Android C. Wei, L. Zhao	1066
Establishment on Space Objects Database Management System using Browser/Server Mode S. Wang, C. Han, S. Liu, Q. Luo	1071
A Simulation Framework for Emergency Response of Highway Traffic Accident D. Huang, X. Chu, Z. Mao	1075
An Approach to Incremental Deep Web Crawling based on Incremental Harvest Model Q. Huang, Q. Li, H. Li, Z. Yan	1081
Case-based Reasoning and Multi-Agents for Cost Collaborative Management in Supply Chain J. Fu, Y. Fu	1088
Research on Key Technology of Well-Ground ERT Transmitter S. Yao, Z. Li, S. Zhao	1099
Schema Evolution via Multi-Version Metadata in SaaS S. Wu, S. Zhang, L. Kong	1107
The Simulation and Improvement of Particle Swarm Optimization based on Cellular Automata F. Yu, G. Li	1113
Robust Web Extraction based on Minimum Cost Script Edit Model D. Liu, X. Wang, H. Li, Z. Yan	1119
Performance Analysis of Interworking between WLAN and 3G Networks based on Three Approaches T. Soungalo, L. Renfa, Z. Fanzi, H.N. Waita	1126
A Novel Method for Estimating the Initial Rotor Position of Brushless Direct Current Motor G. Tong, Y. Liu, Z. Yan, Y. Liu	1133
A Note on "A MAX-MIN Ant System for Unconstrained Multi-Level Lot-Sizing Problems" Y. Han, J. Cai, I. Kaku, Y. Li, H. Lin, X. Ye	1137
Error Feedback Controller for Autonomous Space Teleoperation T. Hu, X. Huang, Q. Tan, J. Huang	1142
Aluminized Explosive Formulation Design based on Gene Expression Programming W.D. Lei, L.S. Bin, L.X. Wang, L.z. hua	1150
Dendriform Branch Cut Algorithm based on Minimum Spanning Tree for Phase Unwrapping S. Zhang, H. Zhong, J. Tang	1154
Cloud-Based Identity Attribute Service with Privacy Protection in Cyberspace X. Zou, B. Chen, B. Jin	1160
The Research of Set Code and Related Algorithms X.-Q. Zhao	1165
A New Algorithm for Blind Signal Separation based on Relative Newton Method and Maximum Likelihood Criterion Y. Zhu, S. Guan, M. Wang, X. Li, Y. Zhu	1170
A Novel Memory-based ARQ System with its Analysis of Throughput S.-Y. Guan, Y. Li, Y. Zhang	1176
A Novel Variable Step-Size NLMS Algorithm and its Analysis Y.-G. Zhu, Y.-G. Li, S.-Y. Guan, Q.-S. Chen	1181

The Improved Dijkstra's Shortest Path Algorithm and its Application S.-X. Wang	1186
Direct-Driven Permanent Magnet Synchronous Wind-Power Generating System with Two Three-Level Converters based on SVPWM Control S. Liu, S. Li, H. Li.	1191
A Novel Feature Extraction Method X. Wang, H. Peng	1196
A Real-time Target Detection Algorithm for Panorama Infrared Search and Track System W. Wang, Z. Li, J. Liu, Y. He, Z. Chen	1201
A QoS Routing Algorithm based on Ant Colony Optimization and Mobile Agent H. Cao	1208
Research on Application of Micro-Nano Acceleration Sensor in Monitoring the Vibration State of Vehicles Q. Wang, Y. Yang, M. Su, Y. Liu	1213
A Kind of Real-time Speed Measuring System of High Speed Train based on Ethernet Q. Wang, M. Su, Y. Liu, Y. Yang	1218
Subcell FDTD based on Z Transforms Modeling of Electrically Thin Dispersive Layers C. Jiao, Z. Xia	1223
Improvement of a PCEUDO Finite Element Method of Transients Analysis of Multi-Conductors Transmission Lines L. Wen, Q. Lang, Z. Xin, Q. Meng, K. Miao, J. Ye, T. Liu, C. Jiao	1228
Research on the Bi-directional DC-DC Conversion Characterization of Ultra-Capacitor Energy Storage System H. Zhang, Y. Jing, C. Nan.	1234
Chaos-based Cancelable Palmprint Authentication System H. Li, L. Wang	1239
Effect of Live Evidence Acquisition Process on the Change of Windows XP SP2 Registry L. Wang, H. Li	1246
A Probability Model of Covering Key Trace during Capturing Volatile Memory L. Wang, H. Li, Z. Su	PIC
Bandit Detection using Color Detection Method A.K. Junoh, N. Mansor, W.Z.A.W. Muhamad, S. Abu, W.N.W. Jaafar, S. Yaacob	1259
A Novel Four-Wing Hyper-Chaotic System and its Circuit Implementation X. Wei, Y. Feng, Q. Li	1264
A Study of Improved Approaches for TCP Congestion Control in Ad Hoc Networks Y. Teng, H. Wang, M. Jing, Z. Lian	1270
Verification of All-Digital SPARC Instruction Set based on FPGA K. Cui, K. Zhou, J. Wang, S. Hao, C. Lin	1276
MSDL based Lifecycle Support of Cloud Simulation C. Ying, P. Yong, H. Kedi, Q. Huang.	1281
Study on Dynamic Allocation Technology of Electromagnetic Frequency Spectrum under Regionalized Supplying Condition H. Liu, L. Sun, F. Li	1286
Low Actuation Wideband RF MEMS Shunt Capacitive Switch Y. Mafinejad, A.Z. Kouzani, K. Mafinezhad, A. Kaynak	1292
Aperture Effect Influence and Analysis of Wideband Phased Array Radar W. Jun, D.-D. Cui, F. Yang	1298
Research on Static Stiffness of Hydrostatic Bearing using Fluid-Structure Interaction Analysis L. Lu, H. Su, Y. Liang, Q. Zhang	1304
Jammer Suppressing Method for Torpedo Alert Sonar using Weight Vector with Sidelobe Controlled C. Yang, S. Yang, B. Zhou, A. Zhao	1309
A Computation Method for Continuity S. Wang, X. Shao	1314
Semi-Supervised Locality Discriminant Projection Y. Mao, Y. Zhou, H. Yu, L. Wei, X. Wang	1319
A Novel Hybrid Spread Spectrum System and Anti-Jamming Performance Analysis L. Yu, M. Wang, X. Qiao	1325
Image Watermark Similarity Calculation of GIS Vector Data S.-S. Li, W. Zhou, A.-B. Li.	1331
Adaptive Noise Cancellation Method for Fiber Optic Gyroscope K. Hu, Y. Liu	1338
Disguise and Reduction Methods of GIS Vector Data based on Difference Expansion Principle A.-B. Li, S.-S. Li, G.-N. Lv	1344
Object Tracking and Detecting based on Adaptive Background Subtraction R. Zhang, J. Ding	1351
The Research on Trust Model of Internetware based on Fuzzy Logic Y. Wang, G. Zeng.	1356

Study on Dynamic Sensing Strategy of Military Electromagnetic Spectrum Resource L. Sun, H. Liu, F. Li	1362
Experimental Analysis of a Pyrotechnic Compositions Battery W. Li, Z. Liu, S. Wang	1368
Detection on Fatigue Crack of Aluminum Alloy Plate based on Modulation Nonlinear Lamb Waves and Time Reversal Method G. Gao, D. Li, D. Shi, J. Dong	1373
International Early Warning Nonlinear Model for Securities Systemic Risk based on RBFNN using UDM and BVM X.H. Diao, S. Kang	1378
An Image Segmentation Method Combining L ¹ -Sparse Reconstruction with Spectral Clustering X. Wang, Z. Wu, P. Luo, H. Wu	1387
Technology Transfer, Adaptation & Assimilation and Indigenous Invention Patent Output: Evidence from Chinese High-Tech Industries W. Li, Y. Wei	1392
An Automatic Approach to Harvesting Temporal Knowledge of Entity Relationships C. Zhang, X. Hong, Z. Peng	1399
Sound Category Detection including the Human Speech like Noise after Independent Component Analysis and the Sound Trace K. Okada	1410
An Interactive Image Segmentation Algorithm based on Graph Cut Q. Zheng, W. Li, W. Hu, G. Wu	1420
Stability Property Analysis of Analogue or Digital Control DC-DC Converters with Impedance Loads Q. Tong, D.L. Zhang, N.T. Zhang	1425
Image Fusion Algorithm based on Simplified PCNN in Nonsubsampled Contourlet Transform Domain F. Liu, J. Li, C. Huang	1434
Prepare Tone: Enhancing Broadcast-Packet Transmission of Multiple Rendezvous Mac Performance in Multiple-Channel Ad Hoc Network S. yu, D. Zhu, X. Yang	1439
Robust Adaptive Coordinated Attitude Control Problem with Unknown Communication Delays and Uncertainties G. Li, L. Liu	1447
Making Silicon Emit Light using Third Harmonic Generation A.J. Shaikh, O. Sidek	1456
A Cooperation Strategy for Shooting in Robot Soccer Competition based on the Multi-Suppose Tree B. Fu, P. Zhang, C. Wang	1462
The Study on Consumer Trust Repair based on the Interaction of Person & Environment Z. Zhang	1467
Prediction of Mechanical Properties of Welded Joints based on Support Vector Regression S. Guo, X. Tang, S. Ji, Z. Yang	1471
Research on Security Forewarning Methods for Workshop Equipment C. Zhang, C. Liu, Y. Yang	1476
A Corpus-based Study on Topics of College Coursebooks Y. Liu, G. Yang, Y. Xu	1481
An Investigation on the Impact Noise of a Six-Bar Linkage Mechanical Press Y. Luo, R. Du	1486
An Error-Aware Routing Protocol over Lossy Links in Wireless Sensor Networks L. Zhang, D. Xiao	1492
Improve Technological Innovation Capability of Enterprises in Hebei Province by Absorbing Innovation Resources from Beijing and Tianjin Cui-jian, Z. Liu	1501
Voice Prediction based on All-Poles Signals J. Wang, Y. Zhao	1506
Network Troubleshooting Based on PNN and Protocol Analysis H. Peng	1511
Node Design of Internet of Things based on ZigBee Multichannel L. Qu, Y. Huang, C. Tang, T. Han	1516
Research on the Digital Workshop Layout based on Steel Material Processing Workshop Y. Liu, M. Meng, D. Wang	1521
Job Opportunity Finding by Text Classification S. Zhang, H. Li, S. Zhang	1528
Low-Power Instrumentation Amplifier IC Design for ECG System Applications L. Xiu, Z. Li	1533
Logic Level Conversion Method in Serial Data System B. Yang, H. Lu, X. Yang	1539
A Knowledge Roughness based Approach to Hybrid Decision Tree Construction H. Lu, X. Hu, B. Yang	1544
G Language based Design of Virtual Experiment Platform for Communication with Measurement and Control B. Yang, J. Li, Q. Zhang	1549

The Design of Target Assignment Model Based on the Reverse Mutation Ant Colony Algorithm L. Zhang, Y. Zhang, W. Liu	1554
A New Digital Watermarking Algorithm Based On WBCT J. Liu, G. Liu, W. He, Y. Li	1559
A Method of Real-time Rendering for Subsurface Scattering Based on BRDF W. Lili, H. Li, Z. Ma.	1565
A Research on IPv6/IPv4-Based Network Performance Test T.T. Zhang, J. Chen, H.Y. Wei, J.Y. Jiang	1573
An Empirical Research on Poor Rural Agricultural Information Technology Services to Adopt L. Wu	1578
The Technology Research of Dynamic Network Active Defense in Network Management W. Hong	1584
An Improved Evaluation Method based on Cloud Models for Situation Consistency within the Battlefield of Joint Operations L. Fan, Y. Ling, L. Liao, B. Li	1590
Ground Reflectivity Data Resolution Enhancement Technology for Geostationary Doppler Weather Radar X. Li, J. He, Z. He, Z. She, X. Way	1596
A Novel Digital Watermarking Algorithm based on Wavelet Lifting Scheme and Linear Regression S. Li, Q. Gu	1602
Ballistocardiogram Insusceptibility Detection and Analysis System on FPGA D. Yang, Y. Li, L. Zhang, X. Wang	1607
Mechanical Derivation of the Longitudinal and Transverse Piezoresistive Coefficient on Piezoresistive Pressure Sensor G. Yang, H. Xie	1612
Adaptive Low-Power Transmission Coding for Serial Links in Network-on-Chip X. Ren, D. Gao, X. Fan, J. An	1618
Preemies Birth Monitoring using Color Detection Method M.N. Mansor, S. Yaacob, M. Hariharan, S.N. Basah, S.H.F.S.A. Jamil, M.L.M. Khidir, M.N. Rejab, K.M.Y.K. Ibrahim, A.H.F.S.A. Jamil, A.K. Junoh	1625
Jaundice in Newborn Monitoring using Color Detection Method M.N. Mansor, S. Yaacob, M. Hariharan, S.N. Basah, S.H.F.S.A. Jamil, M.L.M. Khidir, M.N. Rejab, K.K.M.Y. Ibrahim, A.H.F.S.A. Jamil, A.K. Junoh, S.A. Saad	1631
Analysis of the Combination of Natural Language Processing and Search Engine Technology X. Yue, G. Di, Y. Yu, W. Wang, H. Shi.	1636
Asymmetric Watermarking Scheme Based on Shuffling Y.-G. Fu	1640
Simulation and Realization of MOS Varactors S. Li, T. Zhang	1645
The Development and Application of the Scale of Adolescents' Online Self-presentation G. Zhang, Y. Du, L. Li, X. Zhang.	1651
Three Timing Synchronization Methods based on Two Same Preambles for OFDM Systems C. Chen, Z. Yang	1656
The Dispute of Mispricing within E-Business-From Comparative Study between Taiwan and the United States F.-C. Cheng.	1662
The Design and Implementation of Remote Sensing Algorithms Visual Workflow Editing and Processing Platform J. Lie, T. Lv, Y. Tao, F. Zhang, J. Li, Y. Meng	1667
Vertical Directionality of a Source in Shallow Water J. Song, H. Yang, T. Zhang.	1673
A Hand Gesture Recognition Method Based on Multi-Feature Fusion and Template Matching Y. Liu, L. Zhang, S. Zhang	1678
Research and Simulation of DTC Based on SVPWM of PMSM X. Wang, Y. Xing, Z. He, Y. Liu	1685
Development of the Control System and Communication Network for Intelligent SF6 High Voltage Circuit-Breaker Q. Hao, G. Yang, D. Yang, E. Li, Z. Liang, D. Zhao.	1690
Almost JGP-Injective Rings and Semiprimitive Rings Z. Zhu	1697
Research on Real-Time Visualization of Large-scale 3D Terrain H. Hou, J. Zhang	1702
A New Model for Optimal Waveform Design B. Wang, J. Wang, X. Song, Y. Han.	1707
The Optimal Vaccination Rate based on Structured SI Model C. Wu	1713
Design and Application of Quasi-Orthogonal Filter Banks Y. Hou, X. Yin	1718

A MF-TDMA Signal Monitoring Receiver based on Polyphase Filter L. Xi, W. Feng, C. Li, C. Ma, Z. Nan	1723
Research on a New Method of Index in Three-Dimensional Space Y. Liu, X. Wang	1730
On the Security of an Anonymous Batch Authenticated and Key Agreement Scheme for Value-Added Services in VANETs H. Wang, Y. Zhang	1735
Gradient Generating Microfluidic Devices for Cell Cultivation M. Tehrani-Rokh, A.Z. Kouzani, J.R. Kanwar	1740
Numerical Simulation about Thermal Environment of Solar Energy Airship in Stratosphere Y. Wang, Y. Liu	1745
An Adaptive WSN Node Tracking Algorithm based on Rough-set Neural Network H. Wang, W. Ren, Y. Cui	1750
A Multi-Criteria Evaluation Model for Developmental Effectiveness in Cultural and Creative Industries S.-L. Hsueh, K.-H. Hsu, C.-Y. Liu	1755
Jiangxi Tourism Improve Function of E-Business Portal Z. Zeng, J. Gu	1762
Multi-Objective Ant Colony Algorithm in EPC Risk Control J. Hu, J.H. Sun, J.M. Yan, Z. Liu, Y.R. Shi	1767
Convergence Analysis of Continuous Extension RKM for Index-1 DAE's W. Sun, X.-G. Fan	1774
The Research and Design of a Low Temperature Drift Bandgap Reference C. Li, Y. Yu	1779
Research on Key Problems of CETDC Information Interaction Platform Y. Tian, T. Wang, J. Liu	1784
Computer Aided Education in Random Filed Engineering by Application of Mathematical Tool J. Yu, Y. Yang	1791
Weak Signal Detection Technology based on Holmes Duffing Oscillator W. Zhao, J. Zhao, Z. Huang, Q. Meng	1796
An EDA-based Judgment Method for Circuit Fault Simulation Q. Jin, G. Zhao, Y. Sun	1803
Design and Realization of On-Line Enterprise Office Automation System J. Lu, X. Gao	1809
The EHTA for the Modified Nizhnik-Novikov-Vesselov Equation P. He, D. Zhang, J. Li	1814
Simulation of Realistic Water on 3D Game Scene X. Xu, K. Zou	1819
Key User Knowledge, Attitude and IT Performance: The Moderating Effect of Organizational Culture M. Huang	1824
Study of the Construction of Assessment System on Regional Innovation Capacity in Knowledge Management W. Chen, C. Wang	1830
High-precision Variable Polarization Light Source L. Chen, F. Meng, Y. Yuan, X. Zheng	1835
Fingerprint Image Enhancement Algorithm based on Two Dimension EMD and Gabor Filter Q. Ye, X. Ming, Z. Cui	1840
Research and Development of Open CNC System based on PC and Motion Controller X. Xu, Y. Li, J. Sun, S. Wang	1845
An Efficient LDPC Encoder for CMMB Using RU Method Z. Zeng, Y. Feng, X. Sun	1851
Study on Shape and Formation Extrapolation Algorithm for Cloud of Storm W. Ping, L. Chang, L. Heng	1856
An Instantaneous Frequency Estimation Approach in a High Noise Environment X. Luo	1862
The Hardware-in-the-loop Simulation on the Control System of a Small Launch Vehicle H. Wenbo, Z. Qiang	1867
Displacement Amplifier Design for an Extensometer in High Temperature Deformation Monitoring X.Y. Hu, J.H. Jia, S.T. Tu	1872
An Energy Structure Analysis of Spring Gale H. Lei, W. Ming	1877
A Energy-Efficient Clustering Routing Algorithm Based on Distance and Residual Energy for Wireless Sensor Networks Z. Yong, Q. Pei	1882
Robust Optimal Filtering Method for Cyclostationary Signals Y. Liu, T. Qiu, F. Ren, X. Yu	1889

On Steam Pipe Network Modeling and Flow Rate Calculation X. Luo, M. Yuan, H. Wang, J. Yang, F. Wu	1897
Trajectory-Mapping Method based on Feature Extraction for Motion Retargeting and It's Application X. Ban, L. Yao, H. Zhang, T. Jin	1904
A Global Optimization Approach to Ancillary Service Procurement J.-J. Wang, W.-L. Zhao, W.-D. Li, Y.-L. Zhao	1909
A Scheduling Strategy of AGC Capacity in Electricity Market J.-J. Wang, W.-L. Zhao, W.-D. Li, Y.-L. Zhao	1915
The Compare and Analyses of the Allocation Methods of the Contingency Reserves J.-J. Wang, W.-L. Zhao, W.-D. Li, Y.-L. Zhao	1921
Research on Infrared Carbon Monoxide Monitoring System based on Least Squares Support Vector Machine Z. Li, D. Nan, Y. Gong	1926
A Lightweight IP Traceback Scheme Depending on TTL Y. Fen, Z. Hui, S. Chen, X. Yin	1932
A Novel Traffic Stream Detection Method based on Inverse Perspective Mapping C. Wang, Z. Shi	1938
Automated Image Measurement of Parachute Projection Area under Inflation Process P. Guo, G. Xia, Z.-Z. Qin	1944
A Recognition Approach Study on Chinese Field Term based Mutual Information /Conditional Random Fields L. Peng, Z. Liu, L. Zhang	1952
Integrating Spatial Structure in Super-Resolution Mapping of Hyper-Spectral Image B. Wu, C. Li, X. Zhan	1957
An Improved Invariant Wavelet Transform X. Huang, M. Tan, H. Wu, L. Ouyang, L. Liu	1963
The Design of Arithmetic Logic Unit based on ALM H. Zhang, Z.-Q. Wang, W. Liu, Z. Tan	1969
Local and Contextual Controlled Fourth Order Partial Differential Equations for Noise Removal X. Tan	1974
Numerical Research on Stochastic Duffing System M. Wang, F. Su	1979
Mutual Coupling Effect of Microstrip Antenna Array J. Rao, Z. Peng, D.R. Becerra	1984
Design of Wireless Node about Gondola's Steel Wire Ropes Monitoring S. Chen, Q. Zuo, Z. Jiao, J. Wu	1989
Analysis of the Power Consumption for Wireless Sensor Network Node based on Zigbee S. Chen, J. Yao, Y. Wu	1994
Termination Analysis of Sequential Program based on Graph Y. Jie, Y. Dan, Y. Gang, S. Ma	1999
Target Classification based on a Combination of Possibility and Probability likelihood in the Bayesian Framework S. Ni, R. Ding	2004
Energy Efficient and Balanced Cluster-based Data Aggregation Algorithm for Wireless Sensor Networks J. Yue, W. Zhang, W. Xiao, D. Tang, J. Tang	2009
Parameter Estimation for Fault Diagnosis in Nonlinear Systems by ANFIS B. Bellali, A. Hazzab, I.K. Bousserhane, D. Lefebvre	2016
Fault-Tolerant Backstepping Attitude Control for Autonomous Airship with Sensor Failure G. Wu, B. Lin, S. Zhang	2022
The Network Era Require High Quality of Literature Retrieval Teacher in University Library C. Lin, C. Jian	2028
Time Delay Estimation Using Windowed Differential agnitude of Cross Correlation and Its Hilbert Transform X. Ouyang, L. Luo, J. Xiong	2033
A Novel Crosstalk Elimination Method for Sonar Ranging System in Rescue Robot Z. Yao, J. Yang, S. Liu	2039
Design of Mobile Phone Networks and Map-matching Navigation System J. Wang	2045
An Ultra Low Power Dissipation Inverter-based Incremental Sigma-delta ADC Y.T. Liu, J. Chen, M. Chen	2050
Single Neuron PID Sliding Mode Parallel Compound Control for Alternating Current Servo System Y. Zhang, P. Li, W. Wu	2055
Image Decomposition of Partly Noisy Images R. Liu, R. Jia, L. Su	2062
Identity-based Cryptography on Hidden-Order Groups C. Lin	2067

Improve Technological Innovation Capability of Enterprises Through Tacit Knowledge Sharing Z.-g. Liu, J. Cui	2072
Based on SC Personalized Service and Client Management System's Research and Design M. Xia, J. Ma, W. Wang	2077
Matrix Converter Based on Asymmetric Regular Sampling Method SPWM Control Strategy F. Yan	2083
Design of a Control System for Signal Examination for Ion Mobility Spectrometer R. Ji, S. Wang, Y. Wang, X. Wang	2088
Manipulator Trajectory Planning based on the Algebraic-Trigonometric Hermite Blended Interpolation Spline B. Su, L. Zou	2093
Study on the Harmonics of Switching Power Supply J. Zhu, D. Xie, F. Wang, T. Cao	2098
12-Lead ECG Data Acquisition System Based on ADS1298 Y. Zhang, G. Sun, Y. Yang	2103
MCU-Controlling Based Bluetooth Data Transferring System J. Liu, G. Sun, D. Zhao, X. Yao, Y. Zhang	2109
Research Progress in Yagi Antennas Y. Sun, H. Zhang, G. Wen, P. Wang	2116
Parameter Response Numerical Simulation of Resistivity LWD Instrument Based on Hp-FEM H. Li, D.-J. Liu, Z. Ma, X. Gao	2122
Tag-Based Intellisense Resource Sharing J. Wang, H. Zhang, F. Wang, H. Xu, Y. Liu	2127
FPGA Software Architecture for Software Defined Radio Q. Liu, K. Cao, Y. Lai	2133
Study on Ultrasonic Automatic Detection System of Large Steel Plate Z. Feng, C. Miao, H. Ming, H. Liu	2140
Design and Experimental Analyse of Low Noise Double-Pitch Silent Chain for Conveyor X. Liu, W. Wang, W. Sun, T. Wu, J. Liu, J. Liu	2146
Variable Search Region Base on Disparity Gradient L. Guo, G. Zhang, J. Wu	2151
A Predict Deterministic Finite Automaton for Practical Deep Packet Inspection Q. Wei, Y. Li, Y. Chu	2156
Ear Recognition Based on Centroid and Spindle Y. Xu, W. Zeng	2162
Study on Immune Cloud Model Adapted to Complex Mechanical System Diagnosis Q. Meng, L. Lei, A. Kong	2167
Classification of <i>Astragalus Membranaceus</i> (Fisch.) Bge.Var.Mongholicus(Bge.)Hsiao from Different Areas based on Chemometric Methods with R Software W. Rui, H. Chen, Y. Feng, Z. Shi, M. Jiang	2172
Numerical Simulating for Turbulent Heat Transfer of Structural Improved Thermoacoustic Cooler J. Xu, B. Liu, D. Zhao	2177
Automatic Test Generation System for EFSM-Based Protocols T. Shu, Q. Cai, L. Liu, Y. Jia	2182
Design and Analysis of Multi-Winding Power Current Transformer for Power Transmission Lines Inspection Robot M. Yang, Z. Liang, H. Qian, E. Li, G. Yang	2187
Iris Boundary Localization Method based on Polar Coordinate Q. Tian, L. Zhang, X. Wu	2194
Adaptive Region Demosaicking using Multi-Gradients X. Yang, Q. Tian, M. Tian	2199
Image Reconstruction Research on Color Filter Array Q. Tian, X. Yang, L. Zhang, Y. Yang	2204
Compressive Radar Imaging Methods based on Fast Smoothed L0 Algorithm J. Liu, S. Xu, X. Gao, X. Li	2209
Online/Offline Blind Signature H. Jiang, R. Hu	2214
Design and Implementation of Brushless DC Motor Drive and Control System H. Wang	2219
Discussion on the Bottleneck of Comprehensive Accounting Information: Accounting Information Standard S. Wang	2225
R-Generalized Fuzzy Convex Sets Z. Liu, C. Hao, S. Yao	2230
Cardiac CT Image Reconstruction Based on Compressed Sensing J. Liu, Q.X. Hu	2235

Discussion about the Determination Methods of Weighted Centroid of dBZ on Vector Radar Echoes X.T. Yu, Z.W. Yu, X.P. Rui, F. Li, Y.T. Xi, H.Q. Chen	2240
Rate-Pricing Spectrum Management Algorithm for Green VDSL Y. Lv, Y. Li, X. Wang, M. Jin	2247
Research on Recognition System of Agriculture Products Gas Sensor Array and its Application D. Zhao, Y. Zhang, D. Kong, Q. Chen, H. Lin.	2252
A Fast Carrier Synchronization Method for Earth-Space Communication Systems X. Chen, D. Jin	2257
Variational Bayesian Two-Stage Kalman Filter for Systems with Unknown Inputs J. Sun, J. Zhou, X. Gu.	2265
A New Variant of In-Place Sort Algorithm X. Wang, Y. Wu, D. Zhu	2274
FPGA Implementation of a Floating-Point Quaternion-Based Attitude Determination Solution Using Peano-Baker Algorithm Y. He, Z. Shi.	2279
Study on the Best Analysis Spectral Section of NIR to Detect Alcohol Concentration Based on SiPLS X. Wang, Y. Bao, G. Liu, G. Li, L. Lin	2285
Research of the Soil Nutrient Measuring System Based on ARM X. Wang, K. Wang, S. Zhuang, D. Li, B. Liu.	2291
Application and Research of GIS-based Wushan County Slope Stability Evaluation Information System X.P. Li, S.P. Zhou.	2296
A Survey of Force Feedback in Flight Safety Enhancement J. Wang, X. Pan, X. Pan, Y. Xue, Y. Ye.	2303
An Effective CFO Estimation Method Based on Unitary Transformation for Interleaved OFDMA Uplink Systems R. Du, J.K. Wang, F. Liu, Y. Bo, L. Cui	2308
Applying Minimum-Risk Criterion to Stochastic Hub Location Problems H. Zhai, Y. Liu, W. Chen	2313
Application of GIS/GPS in Shanghai Airport Pavement Management System W. Chen, J. Yuan, M. Li.	2322
Reservoir Numerical Simulation Study Based on Formation Parameters' Time-Variability S. Bing.	2327
High Light Extracting Efficiency of Gan-Based LED Based on Photonic Crystal Y. Fan, X. Wang.	2332
A New Rapid Acquisition Scheme of DSSS Signal in the Presence of Doppler Shift D. Sheng, Q. Jiang, X. Liang	2337
Filtering Method Based on Partial Differential Equations for Speckle-Shearing Interferograms Q. Heng, X. Lou, N. Lv	2342
Quality Estimation of Deep Web Data Sources for Data Fusion M. Sun, H. Dou, Q. Li, Z. Yan	2347
An Improved Method for Phase Extraction Based on Gray Extremum X. Qin, X. Lou, N. Lv, P. Sun.	2355
Research on Removing Shadow in Workpiece Image Based on Homomorphic Filtering W.D. Yang, W. Guo, K. Peng, L.B. Liu.	2360
Research on Multi-View Video Plus Depth Coding Based on Network Bandwidth Y. Zhu, M. Yu, G. Zhang, G. Jiang, Z. Peng	2365
A High Definition Motion JPEG Encoder Based on Epuma Platform Y. Zhang, W. Zhou, Z. Liu, S. Wang, D. Liu.	2371
Induction Motor Speed Control Based on Model Reference Z. Yang, Q. Yue, Y. Ye	2376
Sensor Based Real-Time Remote Patient Monitoring System: A Study on Mobile DB Construction of Minimum Network Traffic in Use of HTML5 WebGL Y.-H. Kim, I.-K. Lim, J.-W. Lee, J.-K. Lee	2382
County Soil Fertility Information Management System Based on Embedded GIS X. Liu, L. Yang, P. Lin, W. Li, L. Zhang.	2388
Design of Electromagnetic Pre-Pressure Device for 3-DOF Spherical Ultrasonic Motor B. Li, J. Shi, G. Li, H. Li.	2393
A New Stereo Image Watermarking Method for 3D Media M. Yu, A. Wu, T. Luo, G. Jiang, W. Zhou, S. Fu.	2399
Data Association Algorithm for Bistatic Radar Network W. Shenshen, C. Wanfang, F. Jinfu, W. Fangnian, B. Yun	2405
Stability Analysis of Characteristic Model Based All-Coefficient Adaptive Control for a Class of Minimum-Phase Linear System Y. Wang	2410
Research on Object Signal Sampling and Reconstruction Based on Laser Beat Frequency Y. Zhang, X. Luo, B. Cao, A. Xia, Q. Si	2421

Research on Several Recommendation Algorithms	
H.Q. ping, X. Ming	2427
Research of True Random Number Generator Based on PLL at FPGA	
D. Li, P. Zhen	2432
CST Format Data in VC Environment of Earthquake Exploration and Visualization	
R. Zhang, Y. Zhang	2438
Information Sharing of Energy Sources Supply Chain	
J.H. sheng, F. Cheng	2443
Characterization of Quartz Crystal Microbalance Sensors Coated with Graphene Films	
Y. Zhihua, Z. Liang, S. Kaixin, H. Weiwei	2448
Synchronization of Chaotic System with Uncertain Functions and Unknown Parameters Using Adaptive Poles Method	
A. Zhou, G. Ren, C. Shao, Y. Liang	2453
Robust l_2-l_∞ Filtering for Discrete-Time Systems with Markovian Switching and Mode-Dependent Time-Delays	
Z. Fu, W. Sun	2458
Influence of Shielding Gas on Aluminum Alloy 5083 in Gas Tungsten Arc Welding	
P. Peasura, A. Watanapa	2465
Analysis of Dynamic Spectrum Management for Secondary Network	
S. Wang, Z. Liu, W. Zhou, Y. Zhang, D. Liu	2470
Full Rate General Complex Orthogonal Space-Time Block Code for 8-Transmit Antenna	
N.S. Murthy, S.S. Gowri	2475
Medical Image Registration Framework Using Multiscale Edge Information	
D. Li, H. Wan, H. Wang, Y. Yin	2480
Design and Research of VLAN Communication Experiment Based on the WEB Environment	
G. Zhai, Z. Long, J. Zhong, Y. Cui	248'
The Compensation Mechanism & Signal Identifying Method of Four-Node Multi-Wavelength Fiber-Sensing Network	
G. Wu, G. Liu, X. Chai	2491
Study on Vehicle Operating Safe State Monitoring Parameter and Measurement Model	
M. Pana, G. Liu	2496
SPWD Based IEEE 1451.2 Smart Sensor Self-Recognition Mechanism and Realization	
G. Liu, G. Chen, Y. Zhou	2501
Analysis of SAW Propagation Characteristics in MF-SAW Three Layers Structure Model	
G. Liu, H. Liu	2506
PAMC Based IEEE 1451 Wireless Sensor Interface Plug And Play Mechanism and Implementation	
Y. Zhou, G. Liu, G. Chen	2511
A Forecasting Method based on Online Self-Correcting Single Model RBF Neural Network	
Y. Wang, G. Liu	2516
Analysis about Optimal Portfolio under G-Expectation	
D. Zhang, X. Cui, C. Li	2521
Plant-Wide Process Real-Time Optimization Based on Process Goose Queue Methodology	
J. Huang, H. Li	2526
Distributed Coordinated Attitude Control for Multiple Rigid Bodies	
D. Gao, J. Lv, B. Wang	2532
Attitude Synchronization for Multiple Rigid Bodies with Time Delays	
J. Lv, D. Gao, S. Meng	2539
Influences of Online Lifestyle on Juvenile Cybercrime Behaviors in Taiwan	
L.-H. Ho, Y.-T. Lin, C.-H. Huang	2545
Fire Alarm System Based on Multi-Sensor Bayes Network	
C. Jing, F. Jingqi	2551
An Autonomous Positioning and Navigation System for Spherical Mobile Robot	
K. Hou, H. Sun, Q. Jia, Y. Zhang	2556
Perturbation Analysis of a Kind of Information Processing Systems	
X. Cheng	2562
An Algorithm of the Target Detection and Tracking of the Video	
M. Huang, G. Chen, G. Yang, R. Cao	2567
Depth No-Synthesis-Error Time-Consistent Preprocessing for Depth Coding in FVV System	
F. Sun, G. Jiang, YunZhang, M. Yu, Z. Peng, F. Shao	2572
Design of Video Retrieval System Using MPEG-7 Descriptors	
B. Liang, W. Xiao, X. Liu	2578
A Research and Improvement on a Maximum Power Point Tracking Method for PV System under Partially Shaded Conditions	
Y. Cui, W. Yao, J. Luo	2583
Study of Fault Diagnosis Method Based on Data Fusion Technology	
H. Du, F. Lv, S. Li, T. Xin	2590

Combination of WHT with TRM on Detection of LFM Signal in Inhomogeneous Medium Y.I. Xia, Y. Fu	2595
Refocusing with Time Reversal Mirror in Random Medium Y.I. Xia, Y.q. Fu	2600
The Study of Variable Sensitivity in Dual-Axis Tilt Sensor S. Wei, F. Jingqia	2605
A New Graph Based Active Learning Method L. Lei, Y. Xie, Z. Wang, J. Liu, Z. Shi	2610
An Intelligent Scheduling Strategy of Collaborative Logistics for Mass Customization M.-H. Zhang, X.-L. Gao, X.-Y. Zhou, J. Yang	2621
A Content-Adaptive Side Information Generation Method for Distributed Video Coding J. Zhu, L. Li, Y. Shao, N. Cao	2627
Embedded Speaker Recognition System Design and Implementation Based on FPGA J. Li, D. An, L. Lang, D. Yang	2633
Reengineering from Tradition to Cloud: A Case Study H. Huang, S. Zhang, H. Chen	2638
Study on the Low Accuracy IMU's Initial Alignment Technique in the Pipeline'S Geographical Coordinate Measuring System L. Yang, Y. Yang, S. Gao, R. Li	2644
An Authentication and Key Agreement Mechanism for Multi-Domain Wireless Networks using Bilinear Pairings M. Luo, Q. Yan, G. Jiang, J. Xu	2649
Speech Endpoint Detection Method Based on TEO in Noisy Environment J. Li, P. Zhou, X. Jing, Z. Du	2655
The Mathematical Model of Electrical Field Distribution in Optical Voltage Transformer Y.N. Zhao, G.Q. Zhang, Z.Z. Guo, S. Cheng	2661
Whole Car Side Impact Mode and Response Evaluation G. Zhao, Y. Zhao, X. Li	2667
A Study of the Nonlinear Relation between Exchange Rate and Fiscal Revenue in China J. Chen, Y. Zhang	2672
Research on Sine Dynamic Torque Measuring System D. Fang, X. Zhe	2677
Automatic Conversion from UML to CPN for Software Performance Evaluation L.-Z. Zhu, F.-S. Kong	2682
UML Diagrams to Hierarchical Colored Petri Nets: An Automatic Software Performance Tool L. Zhu, W. Wang	2687
Envelope Extraction of Anaesthesia Breathing Sound Signal on Hilbert Huang Transform L. Liu, S. Ma, S. Feng, Y. Jiang, J. Ma, B. Zhang	2693
On Cluster-Based Channel Identification P. Wang, W. Ser	2699
Three-Frame Difference Algorithm Research Based on Mathematical Morphology Y. Zhang, X. Wang, B. Qu	2705
Application of Parallel Algebraic Multigrid Algorithms in Geophysics R. Chen, H. Tan	2710
Experiments on Light Vertex Matching Algorithm for Multilevel Partitioning of Network Topology A. Zhou, H. Wang, P. Song	2715
Electronic Voting Scheme About ElGamal Blind-signatures Based on XML F. Song, Z. Cui	2721
Research on Tracking Method of Space Target Based on Interacting Multiple Models K. Hu, H. Peng, W. Tong	2726
A Modified LS Channel Estimation Algorithm for OFDM System in Mountain Wireless Environment L. Yang, R. Tian, M. Jia, F. Li	2732
Image Based PZT Control Calibration for 3D Measurement B. Luo, J. Liu	2737
Automatic Scoring on English Passage Reading Quality J. Zhang, P. Pan, Y. Yan	2744
Research on Training Mode of High-Level Innovative Talents in Computer Science in Colleges S. Caiyun	2749
Improved Danger Model Immune Algorithm Q. Xu	2754
Spatial-Time Multiple Hypothesis Model of Data Fusion Based on Active and Passive Sensors J. Lu, C. Yang, D. Chen, S. Qin	2759
On Thermal Structure Optimization of a Power LED Lighting L.Y. Bing	2765

Application of Multi-Media in Education of P. E. Class Y. Zhou	2770
A Novel Spectrum Allocation Algorithm for Cognitive Radio Networks Y. Wang, Z. Zhang, F. Li, J. Chen	2776
Designing and Implementing of the Linux Trusted Startup Process Y. Long, Y. Wang, S. Zhang	2781
A New Bound between Higher Order Nonlinearity and Algebraic Immunity X. Duan	2788
Proof of a Combinatoric Conjecture X. Duan	2793
Single Hop Detection of Node Clone Attacks in Mobile Wireless Sensor Networks Y. Lou, Y. Zhang, S. Liu	2798
The Community Library Anniance Based on Cloud Computing J. Yang, Z. Liao, S. Ye	2804
A Real-Time, Wireless Pressure Monitoring System for Bucking Bulls S. Li, N. Wang, H. Gao, S. Pang	2809
Approach to the Problem of Operation Task and Platform Resource Matching based on MPLDS and PWS B. Yun, F. Zhang, J. Zhang, W. Che, S. Wang	2814
Cryptanalysis of a Certificate-based on Signature Scheme L. Cheng, Y. Xiao, G. Wang	2821
Do Imports of Technology Facilitate Technological Progress? Evidence from China L. Zhang	2826
An Improved Algorithm of CSP C. Zhao, Y. Cui	2832
An Improved PDE Based Super-Resolution Reconstruction Algorithm S. Huang, Y. Yang, G. Wang	2838
Mathematical Model Research for Monocular Vision Based on Direction Vectors L. Qin	2843
Block RAM Based Design of 8-bit AES Operation Modes C.-W. Huang, H.-Y. Chen, H.-C. Yeh, C.-J. Chang	2848
Fuzzy PID Control To Feed Servo System of CNC Machine Tool X. Dong, J. Zhu, F. Wang	2853
A Novel Method of Multispectral Imagery Registration Based on Minor and Noise Component Criterion J. Cui, X. Yang	2859
The Study of Fluorescence Thermal Measurement Based on DSP D. Jia, Z. Yuan, H. San, L. Gao	2864
On-line Temperature Measurement System for Carbonization Chamber Wall of Coke Oven D. Jia, J. Chen, H. San, L. He	2869
Study on a New Program of Passive Fiber Optic Current Sensor D. Jia, X. Wei, J. Chen, L. Zhao	2874
Disaster Protection Triggered by the Big Earthquake Using the Signal Processing K. Okada	2879
A Crowd Behavior Model Based on Reciprocal Velocity Obstacle Algorithm X. Li, W. Qin	2887
The Judgment of Chaotic Detection System's State Based on the Lyapunov Exponent H. Hu, D. Liu	2894
Analysis of the Base-band Symbol Distortion and Spectrum Spreading caused by the Limiter W. Xue, Y. Zhao	2899
Increase in Probability of the Tsunami Formation Correct Forecast V.I. Korochentsev, X. Wei, E.V. Lisunov, P.P. Scherbakov, Z. Yonglei	2905
Research on the Method of CPM Signal Phase Smoothing Based on Atomic Function W. Xue, Z. Wang	2910
Method for Vision Measurement Based on Mutual Perpendicular Line Correspondences L. Qin	2916
Analysis and Identification of Cetacean Sounds Based on Time-Frequency Analysis L. Zhang, L. Guo, J. Mei	2922
Design of Data Acquisition and Storage System Based on the FPGA Y. Ning, Z. Guo, S. Shen, B. Peng	2927
Innovative Design of a New Laptop S. Jiang, W. Liang, J. Li, C. Lu	2932
Fusion of Remote Sensing Images Using Improved ICA Mergers Based on Wavelet Decomposition F. Chen, F. Qin, G. Peng, S. Chen	2938

The Similarity Measure Based on LDA for Automatic Summarization T. Zhu, K. Li	2944
A Novel Approach to Processing Fractal Signals using the Yang-Fourier Transforms X.-J. Yang, M.-K. Liao, J.-W. Chen	2950
The Conformal Forging Technology of Major Steam Inlet Tube Special-shaped Part J. Wang, X. Zhang, X. Zhao	2955
Wavelet Based MBPE Technique for Fast RCS Computation of DNG Metamaterials M.S. Chen, Y.X. Sun, X.L. Wu	2961
The Design and Implementation of a Hierarchical Networkon-Chip C.C. Braham, W. Ji, L. Zhang	2966
Development of Power System Relay Protection Experiment in E-Learning G. Zhai, Y. Wang, L. Li, H. Miao	2975
Construction and Simulation on Traction Converter and Control System of EMU C. Li, Y. Sun, C. Li	2980
Beam Pruning Based on Quantile for Keyword Spotting H. Li, H. Yuan, J. Han, T. Zheng	2985
Research on the 3D Solid Modeling of High Efficient Gear Tooth Based On Pro/E X. Jin, T. Zhang, H. Yang	2990
The Study of Topic Diffusion State Presentation and Trend Prediction within BBS W. Wang, W. Yang, D. Man, S. Xuan	2995
Fault Diagnosis for Civil Aviation Engine Test Based on the Vibration Signal X. Jin, H. Yang, H. Wang	3002
FastSLAM Algorithm Based on Simulated Annealing for UAV X. Wang, G. Zhao, K. Kou	3007
Hop-Reservation Multiple Access with Variable Slots J. Zhang, Y. Li, Y. Liu	3012
An Advanced Review of Hybrid Machine Translation (HMT) H.W. Xuan, W. Li, G.Y. Tang	3017
Analysis of the Impact of Government Information Operation on Emergency Management Information System Application Y. Chen, Y. Lin	3023
Image Restoration by Using New AGA Optimized BPNN U. Farooq, S. Ting-Zhi, Z. San-Yuan, M. Imran	3028
An Alert Aggregation Algorithm Based on Iterative Self-Organization D. Man, W. Yang, W. Wang, S. Xuan	3033
Design and Analysis of a High-Gain Rail-To-Rail Operational Amplifier Y. Guang, Y. Bin	3039
The Judgment of Electronic Diesel Engine State J. Wang, T. Cheng	3044
Network Characteristics Analysis of Ad hoc Network for APTS T.M. Deng, Y.Y. Sha	3049
A Detection Method of Traffic Parameters Based on EPI T.M. Deng, B. Li	3054
Design of a Chinese Input Method on the Remote Controller Based on the Embedded System M. Zhu, W. Gao, Z. Zhao, H. Jiang	3060
A Vision Based Method to Distinguish and Recognize Static and Dynamic Gesture Z. Zhao, W. Gao, M. Zhu, L. Yu	3065
A P2P Based Video on Demand System for Embedded Linux F. Song, W. Gao, G. Zhang, D. Gao, H. Jiang	3070
Software Structured Design of HD Video Player Based On SMP8653 D. Gao, W. Gao, G. Zhang, H. Jiang	3075
Mining Community in Mobile Social Network K. Xu, X. Zhang	3080
Development and Realization of the Software for Dissolved Oxygen Controller Z. Hu, Y. Liu, Y. Li, C. Hu	3085
Data Compression based on DFT for Passive Location in Sensor Networks F. Qu, F. Guo, W. Jiang, X. Meng	3091
The Effective Particles Edge Detection Method Based on Laplace B. Wei, Z. Liu	3096
Research on Aerodynamic and Hydrodynamic Performance of Conformal Semi-Ring Wing Configuration J. Zhang, J. Hu, Q. Xie, J. Feng, H. Xu	3100
Design of Phase-Shift Signal Generator with High Precision Used for Particulate Detection X. Chen, X. Chen, S. Yu, P. Lou	3105

The Research of Multi-Resolution Modeling and Simulation of the Emergency Evacuation	
B. Yang, B. Ren, Y. Wu	3110
An Optimal Trajectory Planning Method for Stabilization of Coupled Space Robotic System after Capturing	
H. Liu, Y. Shi, B. Liang, W. Xu, X. Wang	3117
An Improved SNR Estimator for Wireless OFDM Systems	
D. Wu, H. Shao, F. Yang, L. Cui	3124
Fault Diagnosis of Frequency Converter in Wind Power System Based on SOM Neural Network	
X. You, W. Zhang.	3132
Design and Formal Analysis of Highly Effective Authentication Protocol	
M. Shi, H. Li, L. Chen.	3137
Communications Satellite Multi-Satellite Multi-Task Scheduling	
H.J. Li, Y. Lu, F.H. Dong, R. Liu	3143
Evaluation of Residential Energy-Saving Buildings Based on Grey Relational Analysis Method	
Y. Xie, Z. Mao	3149
Estimating Filed-Scale Soil Nutrient Levels in Shun Yi District, Beijing	
J.L. Zhao, W.J. Huang, D.Y. Zhang, L.S. Huang, J.H. Luo	3154
Application Source Codes Profiling for ASIP Memory Subsystem Design	
X. Li, W. Zhou, D. Liu	3160
PDF417 Angle Detection under Complex Background Based On Morphology and Genetic Algorithms Work	
G. Wang, J. Li, Y. Chen, Z. Meng, Y. Mang, L. Ping	3165
Research and Design on E-government Information Retrieval Model	
X. Liu, C. Hu	3170
A Covering Algorithm Based on Competition	
Q. Wang, Y. Zhang, X. Sun, B. Liang	3175
Mining Multi-Patterns in Pattern-Based Clustering	
Q. Ma, J. Guo	3179
Hierarchy and Scalable Model for Particle System Architecture	
X. He	3184
The Elderly Access to On-Line Local Government Social Relief Information: Practices in Taiwan	
T.-L. Chou, C.-J. Chang	3190
The Application of MATLAB Language in Transverse Seismic Analysis of Buried Pipeline	
T. Hao	3195
Design of the Auto Electric Power Steering System Controller	
C. Fan, Y. Guo	3200
Improving Sharing Efficiency in Online Short Video System through Using P2P Based Mechanism	
L. Yan, C. Zhuo, Z. Hua	3207
Research on Routing and Self-Configuration Ability of Topic-Based Pub/Sub System	
H. Xie, Y. Zhang, X. Li, R. Shi	3212
Joint XPI and ISI Cancellation for Dually-Polarized Radio Systems over Earth-Space Links	
J. Yang, J. Chen, W. Wang, L. Xu	3217
Unilateral View Synthesis Prediction for Even View Rate Overhead Reduce in MVC	
B. Liu, S. Liu, Y. Liu, X. Fan	3222
Numerical Simulation and Experiment Study on Efficiency of Inertia Separator	
H. Li, J. Liu, J. Ling, H. Han, N. Li	3227
A Novel Method of Fault-Tolerant Decentralized Lookup Service for the Cloud Computing	
X. Huang, Y. Peng	3234
Pattern Analysis of Seasonal Variation in Occupational Accidents in the Construction Industry	
C.-W. Liao	3240
Design and Implementation of Multifunctional Virtual Oscilloscope Using USB Data-Acquisition Card	
P. Gong, W. Zhou	3245
Vision Stability of Four-legged Robot Based on the Feedback of Motion Parameters	
Z. Shi, Q. Zhang, J. Tu, Z. Wang, X. Zhang.	3250
Design on Intelligent Diagnosis System of Reciprocating Compressor Based on Multi-agent Technique	
F. Wang, Y. Zhang, Z. Xu, J. Wang, X. Fu	3256
Review of Ultra-Wideband Communication Technology Based on Compressed Sensing	
X. Lv, F. Bai	3262
Computer Simulation of Flood Scheduling in Large Scale Flood Control Systems	
X. Wan, P. Zhong, X. Chen, D. Li, B. Jia	3267
Study on Speed Characteristic of Material in Pipe Pneumatic Conveyor	
S. Chen, X. Yang, S. Qiu, H. Yang, D. Yung.	3276
Image Classification of Education Resources Based on Texture Features	
Y. Shi, H. Bai, X. Wang	3281

The Study of Fault Diagnosis the High-Voltage Circuit Breaker based on Neural Network and Expert System X. Niu, X. Zhao	3286
An Approach for Cloud Resource Risk Prediction H. Li, M. Xin	3292
Design and Realize of the Graphics Platform for LED Lamps' Layout based on GDI+ and Dual-Buffer Y. Wei, X. Nie, G. Liu	3297
Threat Assessment for Air Defense Operations based on Intuitionistic Fuzzy Logic D. Chen, F. Yu, Y. Liu	3302
Clustering Algorithm based on Fuzzy C-Means and Artificial Fish Swarm W. Zhu, J. Jiang, C. Song, L. Bao	3307
Study on Segmentation of Color Remote Sensing Image Wu. jian	3312
Constraint Satisfaction Technology for Stacking Problem with Ordered Constraints D. Hou, F. Chen	3317
The Application of Fountain Code in Image Wireless Transmission Z. Yan, F. Xin, Z. Jia, H. Tang	3322
Design and Research of Improved Digital Phase-Locked Loop based on FPGA J. Ye, G. Zhou, H. Liu	3327
A Solution of auditing system for PVP Y. Liu, L. Kong, X. Yang, J. Zhang, Y. Li, J. Guan, J. Wang, H. Zhang	3333
Integrated Optimization of Production Planning and Scheduling in Mixed Model Assembly Line Q. Dong, J. Lu, Y. Gui	3340
Boost the Integration of Planning and Scheduling: a Heuristics Approach Y. Liu, Y. Fang	3348
Research and Implementation of Iris Recognition Algorithm J. Li, B. Tao, Y. Wang, X. Li	3353
Unfragile Guaranteed-Cost H_{∞} Control of Uncertain State-Delay Sampling System L. Chen	3359
The Modulation Scheme with Unknown CSI for Analog Network Coding in Multi-Antenna Relay Channel R. Wang, C. Chen, D. Wang, H. Xiang	3364
Localized Image Retrieval based on Interest Points F. Meng, B. Guo, X. Wu	3371
A Novel On-Glass GPS Antenna for Handset Applications C.-H. Lin, L.-G. Lai, K.-K. Tiong, J.-S. Sun, G.-Y. Chen	3376
Research on Identification Method of Kinematics for Space Robot X. Wang, H. Liu, Y. Shi, L. Bin, Y. Zhang	3381
Model based Design and Implementation of CVIS User Interface Y. Ling, Y. Chen	3387
Deceptive Financial Reporting Detection: A Hierarchical Clustering Approach based on Linguistic Features B. Wang, X. Wang	3392
A Method of Building Vertical Wind Shear Feature and Convective Storms Recognition based on this Feature W. Ping, X. Hou	3397
An Efficient Implementation of PET Image Reconstruction from List-Mode Data Z. Bin, B. Shan, M. Yun, S. Zhao	3403
A High Performance Implementation of Non-Power-of-Two FFT with EPUMA Platform Z. Liu, Q. Xie, H. Wang, Y. Zhang, D. Liu	3408
Using QR Factorization in Subspace based Blind Channel Identification C.Y. Chen, J.S. Yu	3413
Device Service Networks Maintenance based on Components Migration in the Internet of Things J. Liu, W. Tong	3418
Study on Linkage Mechanism of IDS and Firewall based on SNMP Protocol Y. Yu, Y. Li, Y. Deng	3424
Marine Target Detection from Nonstationary Sea-Clutter based On Topological Data Analysis L. Nie, W. Jiang, Q. Fu	3429
Time-Frequency Analysis of Femoral and Carotid Arterial Doppler Signals M. Latfaoui, F.B. Reguig	3434
Rainbow Thermometry based on EMD De-Noising and Signal Analysis Q. Pan	3442
Quantum Codes Constructed from Self-Dual Codes and Maximal Self-Orthogonal Codes Over F_5 L. Guo, Y. Ma, Y. Feng	3448
Application of GPS-RTK Technology in the Land Change Survey H. Xu	3454

Compressive Sampling Method using Resolution Limit on Direction Estimation for MIMO Radar Y. Peng, H. Chen, X. Yi, H. Wang, X. Li.	3460
The Research and Simulation of CSMA/CA Mechanism of ZigBee Protocol L. Shi, C. Qui, G. Peng, Z. Jia	3466
Research and Implementation of a Configuration and Management System based on Service Platform D. Chen, Y. Zhang, Y. Peng, J. Chen	3472
Nano-Cutting Molecular Dynamics Simulation of a Copper Single Crystal J. Chen, Q. Wang, Y. Liang, L. Wang, L. Zhang, Y. Shang	3478
Delaying Function Construction based on Triple DES Y. Ye, Y. Zhang	3483
Based on NImyDAQ Sound Processing System Wangju	3487
Based on the ARM and PID Control Free Pendulum Balance System Y. Li, S. Li	3491
Feedback based Admission Control Design in Mobile Ad Hoc Networks X. Liu, H. Peng	3496
Study on Multi-Robot Cooperation Stalking using Finite State Machine Y. Hu, Q. Zhang, P. Xue	3502
Research on Multi-Robot Cooperation Capture based on Virtual Reality Technology Y. Hu, Q. Zhang, L. Qin, P. Xue	3507
A New Method for on-Line Measurement of Viscosity L. Bin, W. Yu	3513
The Research of Bottom-Up and Top-Down Combination Visual Attention Calculative Method H. Wang, G. Liu, Y. Dang	3520
A Biometric Ring Signature Scheme for Authorized Subsets M. Wang, X. Chen, D. Tang, H. Wang	3525
Pupil Extraction and Tracking for Interactive Optical See-Through HMD S.-S. Song, J.-S. Choi, J.-T. Kim	3530
On Education Information Ecosystem Structure Y.-H. Zhu, S.-Y. Zhang, J.-G. Ma, E.-L. Nan	3537
On Innovation of Teacher Education Practice Model from the View of Service-Learning J. Ma, Y. Zhu, E. Nan, Q. Yu	3542
Adaptive Split-and-Merge Clustering Algorithm for Wireless Sensor Networks Y. Zhang, K. Li, H. Gu, D. Yang	3547
A General Model for Semi-Supervised Dimensionality Reduction X. Yin, T. Shu, Q. Huang	3552
Determination of China's Online Physical Education Object G. Bo	3557
Network Education and New Ideas for the Reform of College Physical Education S. Guan	3562
Informationization and Development of Physical Education S. Guan	3567
Study of Railway Freight Vehicle Body's Dynamic Model Based on Goods Loading Technical Standards C. Chao, H. Mei, Y. Han	3572
Iris Feature Extraction and Recognition based on Wavelet-based Contourlet Transform Z. Luo	3578
Research on the SCADA System Constructing Methodology based on SOA L. Wang, X. Wang	3583
Nature Scene Statistics Approach based On ICA for No-Reference Image Quality Assessment D. Zhang, Y. Ding, N. Zheng	3589
The RGB Digital Camera's Multi-Channel Spectral Reconstruction based on Basis Function Theory Y. Zhu, B. Li	3594
Numerical Simulation in Whole Space for Resistivity Logging through Casing under Approximate Conditions M. Geng, H. Liang, H. Yin, D. Liu, Y. Gao	3600
Non-Invasive Eye Tracking Technology based on Corneal Reflex D. Gao, G. Yin, W. Cheng, X. Feng	3608
A Video Code based on Distribution Compressive Sensing M. Wu, X. Zhu	3613
LDPC Coded Adaptive AF Scheme based on MI Model X. Chen, H. Liu, H. Jiang	3619
The Research of Digital Proving Ground Simulation System based on HLA X. Zhang, H. Wang, H. Ma, H. Wang	3624

Novel Scheme of CSI Feedback Compression for Multi-User MIMO-OFDM System Y. Li, R. Song	3631
Dynamic Routing Algorithm based on Mobile Agent L. Li	3636
Research of Web Search based on Cultural Algorithm New Framework Z. Yu	3641
Bayes Estimation of Traffic Intensity in M/M/1 Queue under a Precautionary Loss Function H. Ren, G. Wang	3646
Research and Implementation of Oilfield Basic Platform Based on Integrated 2D with 3D of GIS C. Wei, Y. Zhang	3651
Research on Application of Virtual Reality Technology in Competitive Sports J. Wang	3659
Discrete Linear Canonical Transform of Finite Chirps Q.-Y. Lee, B.-Z. Li, Q.-Y. Cheng	3663
A Fast Video Illumination Enhancement Method based on Simplified VEC Model Y. Wu, Y. Sun, H. Zhang	3668
Image Inpainting based on Wavelet Decomposition H. Zhang, S. Dai	3674
Electronic Information Major Practice Teaching Reform Concentrated Research and Innovation J. Zhang, G. Xu, D. Wan, M. Li, J. Chen	3679
Particle Filter with Fine Resampling for Bearings-Only Tracking B. Cao, C. Ma, Z. Liu	3685
The Project Management Maturity Model and Application Based on PRINCE2 L. Zhang, J. He, X. Zhang	3691
Stiffness Matrix of Nonlinear FEM Equilibrium Equation J. Liu, Y. Tian, Y. Li	3698
Three-Node Euler-Bernoulli Beam Element based on Positional FEM J. Liu, S. Zhau, M. Dong, Y. Yan	3703
Design of Detection System of Quartz Wafer's Defec3 Z. Wang, D. Li, G. Liu	3708
The Estimates of Positive Solutions to Impulsive Differential Equations with Multiple Impulses L. Dai, H. Zhao	3713
The Design of Node Operating System for Cyber Physical Systems X.-Z. Du, J.-Z. Qiao, S.-K. Lin, X.-C. Tang	3717
Fast Algorithm to Generate Arithmetic Transform for Incompletely Specified Boolean Functions Using Block Matrix P. Yu	3722
Gossip-based Indexing Ring Topology for 2-Dimension Spatial Data in Overlay Networks Z.Q. Zou, Y. Wang, B. Hu, R.C. Wang	3727
Parameters Identification of Valve Dynamic Damping System based on LuGre Model and Adaptive Chaotic Particle Swarm Algorithm G. Wu, R. Lai, X. Liu	3732
The Key technology of Blind Source Separation of Satellite-based AIS Z.S. Zhong, L. Zheng, J.W. Li, G. Kun	3737
Towards a High Speed Flight Attitude Updating Device based on FPGA Q. Xin, Z.K. Shi	3742
C ² BF: Cache-based Counting Bloom Filter for Precise Matching in Network Packet Processing Y. Zhou, T. Song, W. Fu, X. Wang	3747
Tag-DFA for Improved DFA Compression in Deep Packet Inspection Y. Zhou, Y. Tang, X. Wang	3755
Design of ECG Signal Acquisition System Based on DSP K. Wang, S. Ma, J. Feng, W. Zhang, M. Fan, D. Zhao	3763
Adaptive Rake Receiver Joined with Chip Equalization for DS-CDMA UWB Systems over ISI Channels F. Wang	3768
Inter-cell Interference Suppression Technology of OFDM Systems M. Li, W. Song	3774
Localization in Supermarket based on RFID Technology W. Song, M. Li	3779
Simulation Study of a Ground Source Heat Pump Heating System with Air Seasonal Heat Storage in Severe Cold Area S. Zhang, M. Zheng, X. Wang, Z. Wang	3783
Performance Modeling of Asynchronous Pipelines — An Overview H. Ren, Z. Wang, W. Shi	3788
Design of Gain Fuzzy Controller for Underwater Trash Detection System Based on FPGA G. Zhao, S. Ning	3794

Research on Cooperative User Relaying Assisted Load Balance Scheme in OFDMA Networks D. Liu, Y. Chen, T. Zhang	3799
A Hybrid Genetic Algorithm and Variable Neighborhood Search for Task Scheduling Problem in Grid Environment S. Kardani-Moghaddam, F. Khodadadi, R. Entezari-Maleki, A. Movaghar	3808
The Status and Developing Strategy of China's Continuing Engineering Education W. Li	3815
Reduced Communications Fault Tolerant Task Scheduling Algorithm for Multiprocessor Systems N. Tabba, R. Entezari-Maleki, A. Movaghar	3820
A New Framework for Image Completion Based on Image Fusion Technology Y. Ding, C. xi, X. Wei, J. Zhang	3826
CT Experiments and Image Processing for the Water-Oil Displacement at Pore Scale F. Li, J. Hou, M. Qiu, X. Meng, Y. Zhang, K. Zhou	3831
Implementation on the Mobility of SIP- based M-leaning Network Y. Wang, H. Lin, Z. Su	3836
Design of Linear CCD Driving Circuit Based on SCM H. San, F. Jia	3841
A Hierarchical Architecture for Formation Control of Multi-UAV Z. Hu, J. Li, C. Ling, W. Bing	3846
Research on the Knowledge Flow in CRM Circumstance L. Kong, K. Yu	3852
Traffic Parameters Detection Using Edge and Texture Q. Yu, Z. Shi	3858
Study on Repetitive PID Control of Linear Motor in Wafer Stage of Lithography B. Hou, J. Gao, X. Li, Y. Zhou	3863
A Trustworthy Approach to the Adaptive Composition of GeoServices J. Liu, Q. Du, Y. Liu	3868
Data Warehouse Design For Earth Observation Satellites S. Liu, C. Han, S. Wang, Q. Luo	3876
A Local Application Security Detection System Based on PaaS J. Shang, X. Qiao, Y. Lu, X. Li	3883
Grouping Partners for Cooperative Learning Using Genetic Algorithm and Social Network Analysis R.-C. Chen, S.-Y. Chen, J.-Y. Fan, Y.-T. Chen	3888
Continuous Glucose Monitoring System Based on Smart Phone Y.Y. Cai, D. Cao, X.H. He, Q.X. Wang	3894
JOMS: System Architecture for Telemetry and Visualization on Unmanned Vehicle K.b. Hasnan, L.B. Saesar, M.S. Ikhmatiar, T. Herawan	3899
A Hardware-In-the-Loop Simulation and Test for Unmanned Ground Vehicle on Indoor Environment K.b. Hasnan, L.B. Saesar, T. Herawan	3904
An Architecture Dynamic Modeling Language for Self-Healing Systems Z. Wang, J. Guo, K. Wu, H. He, F. Chen	3909
Using ART2 Neural Network and Bayesian Network for Automating the Ontology Constructing Process M. Hourali, G.A. Montazer	3914
An Automatic History Matching Method of Reservoir Numerical Simulation Based on Improved Genetic Algorithm X. Zhang, J. Hou, D. Wang, T. Mu, J. Wu, X. Lu	3924
An SEIRS Model with a Nonlinear Incidence Rate N. Cui, J. Li	3929
Experiment on the Heat Character of New Bioreactor with Newton Fluid S. Xu	3934
Study on Flow Field in New Bioreactor by PIV in Lower Onflow State S. Xu	3939
The Numerical Simulation of Rapidly Solidified Cu-Cr Alloys Z.M. Zhou, Z.P. Xiao, B.W. Wei, Y. Hu, L.W. Tang, C. Liu	3944
A Model of Integrating Virtual and Real Objects Based on Contour Algorithm and Gabor Filter P. Minjing	3949
Logistics Transportation Vehicle System for Information Acquisition Based on Wireless Sensor Network R. Zhang, D. Li, H.F. Huang, Y. Wang, Y.Z. Wang, L.Z. Xia	3954
A Novel Evaluation Method Based on Entropy for Image Segmentation X. Chen, R. Wang, Y. Cao, W. Yu, J. Feng	3959
Direct Adaptive Output Feedback CMAC Control with Unknown Control Gain for a Class of Nonlinear Systems C.-S. Chen	3966
Cryptanalysis of an Efficient Three-Party Password-Based Key Exchange Scheme E.-J. Yoon, K.-Y. Yoo	3972

A Study on Fusion of Different Resolution Images T. Wu, X.-J. Wu, X.-Q. Luo	3980
Kernel Support Tensor Regression C. Gao, X. Wu	3986
New Method using Feature Level Image Fusion and Entropy Component Analysis for Multimodal Human Face Recognition T. Wu, X.-J. Wu, X. Liu, X.-Q. Luo	3991
Multi-objective Ecological Operation Model of Cascade Hydropower Reservoirs X. Wu, X. Wei, W. Guo	3996
Design of Portable Checking and Ticketing Systems Based on GPRS Z. Chen, H. Li, M. Wang	4002
Preparation of Artificial Antigen and Immunological Trait for Aflatoxin B1 H.T. Zhang, Z.L. Wang	4007
A Method of ADOA Estimation with Phaseless Measurements X. Shen, R. Fana, Q. Wan, W. Yang	4012
Study on Data Storage of Dynamic Integrated Scheduling Z. Xie, Y. He, C. Liu, Y. Jing	4017
Young's Modulus of Nano Polycrystalline Silicon Film X.B. Lu, L.H. Cui, M.Y. Ren	4025
Design Procedures for a Fully Differential Telescopic Cascode Two-Stage CMOS Operational Amplifier M.Y. Ren, T. Wu, M.X. Song, C.X. Zhang	4030
Design of CMOS Instrumentation Amplifier M.Y. Ren, C.X. Zhang, D.S. Sun	4035
IMAS: An Integrated Manufacturing Application Server for BPR Q. Han	4040
Research and Application of Agreement analytic Method in Cybermetrics P. Hai-shen	4047
Generation and Analysis of Attack Graphs C. Wang, N. Du, H. Yang	4053
An Optimization Evaluation Method for Stability Oriented Software System J.-G. Li, L.-J. Cui	4058
Research on an Application-layer Network Performance Measure Method L. Cui, J. Li, W. Liu	4063
The Research on Software of Individual Characters Recognition about the Naxi Pictographs Based on .Net and Chain Code L. Yang, H. Guo, J. Zhao, Z. Chen, Z. Zheng, X. Yu	4068
Character Segmentation System based on C# Design and Implementation Z. Zheng, J. Zhao, H. Guo, L. Yang, X. Yu, W. Fang	4073
Transceiver Designs for Multiuser Two-Way Relay Systems G. Ye, R. Wang	4079
Influence on Firing Precision from Arm Initial Disturbance Z. Wei, G. Chen, C. Liu	4085
The Research of Access Control in the Application of VANET Based on UCON G. Zhang, W. Gong	4091
Numerical Simulation in Influence of Forward-Facing Cavity on Aerodynamic Heating of Hypersonic Vehicle H. Lu, W. Liu	4096
Research on Camera Self-Calibration of High-Precision in Binocular Vision Z. Jiang, L. Jia, S. Guo	4101
Detection of Partial Discharge in SF ₆ Decomposition Gas Based on Modified Carbon Nanotubes Sensors X. Zhang, B. Yang, W. Liu, J. Zhang	4107
Improved Frequency Estimation by Interpolated DFT Method C. Gong, D. Guo, B. Zhang, A. Liu	4112
Improved IMM Algorithm for Nonlinear Maneuvering Target Tracking L. Gao, J. Xing, Z. Ma, J. Sha, X. Meng	4117
Application of Particle Swarm Optimization (PSO) Algorithm to Determine Dichlorvos Residue on the Surface of Navel Orange with Vis-NIR Spectroscopy L. Xue, J. Cai, J. Li, M. Liu	4124
An Iterative Doppler Shift Estimation in Vehicular Communication Systems Y. Zhuang, J. Hua, H. Wen, Y. meng, L. Meng	4129
Modified Histogram: A Spatio-temporal Aggregate Index for Moving Objects in Road Networks J. Feng, Z. Zhu	4135
Sugeno Type Fuzzy Complex-Value Integral and Its Application in Classification S. Ma, F. Chen, Q. Wang, Z. Zhao	4140
The Research on Fault Model in Nonlinear Analog and Mixed-Signal Circuits Q. Xu, S. Cui, C. Xu, L. Han	4152

Research on Multicast Traffic Grooming Algorithm under the Constraint of Sparse Light Splitter Configuration	
L. Du, B. Zhang, Y. Jiao	4157
Quantized Routing Models for Clustering Scheme in Wireless Sensor Networks	
C. Huang, J. Huang	4163
Randomized Kolmogorov and Linear Widths on Generalized Besov Classes with Mixed Smoothness	
L. Duan, P. Ye	4170
Network Covert Channel Detection with Cluster based on Hierarchy and Density	
Y. Qian, H. Song, S. Chao, W. Xi, L. Leng	4175
Spectrum Environment Machine Learning in Cognitive Radio	
F. Qi, Z. Ye, K. Shen	4181
Transceiver Designs for Multiuser Two-Way Relay Systems	
G. Ye, R. Wang	4186
Robust H_{∞} Control for Networked Systems with Random Packet Dropouts and Time Delays	
X. Li, S. Sun	4192
Path Planning of UAV Based on Voronoi Diagram and DPSO	
H. Tong, W.W. chao, H.C. qiang, X.Y. bo	4198
Robust Variance-Constrained Control for a Class Continuous Markov Jump Systems	
Z. Hui, W.X. Wei, Y.J. Hui, X.Y. Bo	4204
Research on Application of Multimedia Technology in College Physical Education	
S. Chen, Y. Xia	4213
Explore Financial Data Characteristics of Different Types of Enterprises During Rise in Stock Prices, using a Semantic Attribute-Oriented Induction Algorithm	
J.-Y. Yeh, S.-T. Wang, C.-H. Lin	4218
Design of Permanent Magnet Brushless DC Motor Control System Based on dsPIC30F4012	
Q. Wu, W. Tian	4223
Implementation of FastICA on DSP for Blind Source Separation	
Z. Min, Z. Mu, W. Ma	4228
New Optical Fiber Micro-Bend Pressure Sensors Based on Fiber-Loop Ringdown	
Z. Wang, M. Jiang, H. Xu, R. Du	4234
The Design of Trace Gas in Oil Detection Instrument Based on ARM	
Y. Yu, X. Hu, X. Gao, Z. Tao	4239
Study on Overlapping Community Structure	
C. Li	4244
An Efficient AC Algorithm with GPU	
L. Hu, Z. Wei, F. Wang, X. Zhang, K. Zhao	4249
Research on the Architecture Model of Volatile Data Forensics	
L. Hu, X. Zhang, F. Wang, W. Wang, K. Zhao	4254
Research on Mechanism of the Information Retrieval based on Ontology Label	
H. Zhou, B. Liu, J. Liu	4259
Investigating on the Prediction Model of Sulfur Deposition in High Sour Gas-Well	
S. Zeng, X. Yang, Q. Zhang, C. Xu, J. Liu, Han-Yukun, X. Liang, G. Yao	4267
Simulation Analysis Study on the Flow Field of the Collar in Sucker Rod	
J. Liu, H. Wang, J. He, S. Zeng	4273
Permanent Calibration in High Frequency Ratio (>0.3) Dynamic Unbalance Measurement	
Z. Dingding, C. Ping	4278
A Recursive Bayesian Method for Multi-Target Detection and Tracking Using Particle Swarms	
Z. Wu, S. Tao	4282
Application Expectation of Virtual Reality in Basketball Teaching	
H. Yao, Y. Liu, C. Han	4287
Analysis of the Influencing Factors of Multimedia Technical Equipments on the 13th CUBA Basketball Match in Southwest Division	
H. Yao, Y. Liu, C. Han	4292
Traffic Anomaly Detection and Containment Using Filter-Ary-Sketch	
L. Zheng, P. Zou, Y. Jia, W. Han	4297
Information Collection and Fast Modeling Technique for Dynamic Object	
L. Song, C. Yang, X. Dong, S. Gong, Z. Liu	4307
Computation and Analysis of Distinguished Hyperbolic Trajectories in Time-Dependent Vector Fields	
W. Li, Q. Ji	4313
Study on Simulation Modeling and Approximate Synchronous Computation Technology for the Active Structural Stiffness Design	
S. Xia, J. He, H. Chu, X. Yang	4318
An Improved Semi-Supervised Clustering Algorithm for Multi-Density Datasets with Fewer Constraints	
X. Chen, S. Liu, T. Chen, Z. Zhang, H. Zhang	4325
A Joint Energy-balanced Organizing Scheme with Hexagon-Clustered Algorithm and Cooperative MIMO for WSNs	
Q. Tang, L. Deng, Y. Qin, X. Li, X. Yue	4330

A Type of Score Function on Intuitionistic Fuzzy Sets with Double Parameters and Its application to Pattern Recognition and Medical Diagnosis Z. Zhang, J. Yang, Y. Ye, Y. Hu, Q. Zhang	4336
Sunlight Fluctuation Compensation for Tomato Flower Detection Using Web Camera Y. Ting, N. Kondo, W. Li	4343
Extrinsic Calibration of a Camera and a Laser Range Finder using Point to Line Constraint Z. Chen, L. Zhuo, K. Sun, C. Zhang	4348
IMU Aided GPS Signal Parameters Estimation Method J. Ding, F. Sun, Q. Haiyang	4353
Study on the Construction of HRPP Based on Inner Fieldbus Z. Wang, D. Kong, H. Zhang	4358
The Design of the Aviation Products Semantic Information System Based on Ontology D. Zhang, Y. Wang, Z. Qi, H. Ji, X. Dai	4363
Application of STEKF in X-ray Pulsar Based Autonomous Navigation J. Du, B. Fei, Y. Liu, Y. Xiao	4369