

2011 International Conference on Control, Automation and Systems Engineering

(CASE 2011)

**Singapore
30-31 July 2011**

Pages 1-720



IEEE Catalog Number: CFP1129H-PRT
ISBN: 978-1-4577-0859-6

TABLE OF CONTENTS

Research and Design of Motion Controller for CNC based on Fuzzy PID Algorithm with Feedforward Control	1
<i>Xianggui Ling, Qing Li, Taiyong Wang, Jingchuan Dong, Zhiyuan Tang, Yanyu Ding</i>	
Image Scrambling Technology by Wavelet Transformation and Prime Theory	5
<i>Wen-hua Zhang, Ya-song Chen</i>	
Color Image Enhancement Based on Sparse Representation	8
<i>Fengjiao Jiang, Kun He</i>	
A Phase Matching Algorithm based on Wavelet Transform	12
<i>Ding Mingjun, Ye Chunqing</i>	
To Discuss the Application of Virtual Reality Technology in Modern Display Design	16
<i>Futing Wang</i>	
A Simulation for Uncertainty of Supply Chain Based on Complex Adaptive System	19
<i>Lin Li</i>	
An Improved Algorithm Based on Wavelet Transform and Dynamic Programming Phase Matching	22
<i>Ding Mingjun, Ye Chunqing</i>	
Design and Implementation of OTG Communication System Terminal Based on USB	26
<i>Zhigui Lin, Dejun Meng, Qingqing Zhong</i>	
Modulation Instability of Low-amplitude Quasi-plane-wave Optical Beams in Biased Photorefractive Crystals	30
<i>Xianfeng Zhang, Keqing Lu, Ning Tian, Kehao Li</i>	
Application of SVM to the Prediction of Water Content in Crude Oil	34
<i>Naishan Li, Cuiling Liu</i>	
Primary Dsignation and Characterization of A Molecular Beacon DNA Sensing Probe	38
<i>Yueqian Yang, Hainan Wang, Juan Chen, Lidan Sun, Chenping Lv, Zongchen Ren, Shichao Xu, Heng Miao, Yanshan Liu, Jimei Zhang, Zhao Dai, Guo Zheng, Bo Sun, Shuqing Sun</i>	
Optimization and Analysis on Ion Mobility Spectrometer Based on a Laser Ionization Source	42
<i>Ren-dong Ji, Wang Xiao-yan</i>	
Preliminary Study of CdTe Quantum Dots Applied in DNA Sensors	45
<i>Yueqian Yang, Juan Chen, Lidan Sun, Shichao Xu, Chenping Lv, Hainan Wang, Jiangli Lou, Heng Miao, Jimei Zhang</i>	
A SIRS Epidemic Model Incorporating Treatment and Age-structured of Recovered Period	48
<i>Wang Huina, Pei Yongzhen</i>	
The Permanence of A Resource-population Chemostat Model with Seasonality	52
<i>Guo Min, Pei Yongzhen, Li Changguo, Zhong Min</i>	
Method of Fuzzy Comprehensive Evaluation Based on Catastrophe Theory	56
<i>Yu Yuanchao, Guo Sicong</i>	
Blind Deconvolution for Image Restoration Based on Text Characteristic	60
<i>Gang Xu, Eting Tang</i>	
Three-dimensional Radar Signal Simulation	63
<i>Feng GuanChao</i>	
SIFT-NMI Algorithm for Image Matching	67
<i>Gang Xu, Chen Ma</i>	
Structured Light Stereo Vision System Coupled with Laser Remanufacturing Robot	71
<i>Gui Gao, Xichen Yang, Haiming Zhang</i>	
Exploring User-Based Scheduling Strategy for VoD with Frequent Seeks	75
<i>Hongfang Guo, Yusong Lin, Zongmin Wang</i>	
Bifurcation Control for a Neuron Model	79
<i>Ding LiYa</i>	
Dynamics Control with Modified Wavelet Function in Turbo Decoding Algorithm	83
<i>Ding LiYa</i>	
Wireless Power Transfer Based on Double Loop Antennas	86
<i>Zhou Fengfan</i>	
Algorithm of Dispersed PWM and Dynamic Refresh Mode for LED Display	89
<i>Bin Wu, Pu Zhang</i>	
Experimental System Design of Wireless Power Transfer based on Witricity Technology	92
<i>Yang li, Qingxin Yang, Haiyan Chen, Xian Zhang, Zhuo Yan</i>	

Simultaneously Wavelength Conversion of Two Data Signals Based on FWM in a Single SOA	95
<i>Bingchen Han, Jinlong Yu, Wenrui Wang, Enze Yang, Bingchen Han, Chengquan Yang</i>	
Real Time Foreground-Background Segmentation using Two-layer Codebook Model	99
<i>Lei Geng, ZhiTao Xiao</i>	
A LED Control System with Brightness and Color Temperature Adjustable	104
<i>Qi Chunhui, Wang Wei</i>	
Design of Multifunctional Barcode System Based On MEGA128L	108
<i>Xinjie Wang, Jinghua Liu, Hongjie Yi</i>	
Research on the Method and Tool for Automatic Generation of Application Data for Interlocking Simulation System	112
<i>Zhang Yong, Pei Zhibin, Yuan Chungui</i>	
Application of Neural Network Technology in the Individual Pitch Control System	116
<i>Wang Shouyi, Xing Gang</i>	
Study on Treatment of Groundwater Containing Cr(VI) by Different Mediums - The case of waste-iron Chippings and Fly Ash	120
<i>Yu-xiao He, Hai-lin Wang, Yan Xu, Hua-shan Xu</i>	
Study on Methods of Building Data Warehouse for Multi-Mine Group Companies	124
<i>Xinrui Liu, Hongbin Ma, Fengyu Ren, Jian Ding</i>	
Research on Application of Fuzzy PID in Collective Pitch Control System	128
<i>Gang Xing</i>	
The Study on the Influence of Saliva Exhalation to Temperature Field on the Surface of Tongue	132
<i>Sha Li, Jin Zou, Jie Zhang</i>	
Research and Design in Fire Furnace for Oil Transportation	136
<i>Du Qing, Wang Jinhai, Zheng Yu, Xia Limei</i>	
The Development of Cotton-yarn-quality Predicting System	140
<i>Ying Xiao, Shulin Zhao</i>	
Regional Information Sharing Mode Design Based on Cloud Computing the Case of Tangshan	144
<i>Jian Cao, Changquan Bi, Xiaodi Sheng, Xinhong Qiu</i>	
A Design of Improved FCMAC Neural Network	147
<i>Liu Li-ye, Ma Cui-hong</i>	
Application of Tactile Sensor Array and Pattern Recognition on Elevator Group Control	151
<i>Shen Yuze, Xu Xiong, Huang Jia, Chen Yan, Gao Jizhe</i>	
The Realization Approach of RFID reader based on AN680	154
<i>Zhang ZhiHong, Li JunSheng</i>	
Graph Reduction Algorithm for Hardware/Software Partitioning	157
<i>Hui Li, Wenju Liu, Honglei Han</i>	
Study on the Methods of Refining the Quasi-Geoid Based on EGM2008	161
<i>Hongbin Ma, Guoqing Zhang, Qiling Hu, Liguowu, Dongyang Lu</i>	
Measurement Methods Research of Body Surface Angle Based on MATLAB	165
<i>Guo-Qi Chen, Fei Tan, Hai-Yan Kong, Lei Huang, Guo-Lian Liu</i>	
Combined Density Functional Theory and Ensembled Elman Network Correction Approach for Electronic Excitation Energies	169
<i>Hui Li, Ting Gao, Yinghua Lu, Hongzhi Li, Zhongmin Su</i>	
The Application of the Extended Generator in Deriving the Integro-Differential Equation Satisfied by The Expected Discounted Penalty Function	173
<i>Yi Zhang</i>	
Detection of Velocity Method and Tracking of oil Spill Pollutants	176
<i>Ying Zhang, Guangli Hou, Yingying Zhang</i>	
An Algorithm of the D-H Uniaxial Perfectly Matched Layer Based on the Direct Discretizing of the Second-order Differential Equation	180
<i>Jianxiong Li, Qingxin Yang, Naixing Feng, Jinghong Miao</i>	
Research of Non-contact 2D Body Measurement System	184
<i>Guo-Qi Chen, Fei Tan, Hai-Yan Kong, Lei Huang, Guo-Lian Liu</i>	
Wavelet Packet Analyzing of Power Transformer Partial Discharge Signals	188
<i>Gao Sheng-wei, Zhang Mu, Yuan Chen-hu, Sun Xing-tao, Zhang Chuang</i>	
Research on the Key Technologies of Electronic Test Equipment for Training Assistance to Surfing Coach	192
<i>Cheng Xu</i>	
Research on Individual Pitch Control Based on Inflow Angle	195
<i>Min Yang, Gang Xing</i>	

A Novel and Efficient Algorithm of the Uniaxial Perfectly Matched Layer Based on the Z-Transform Method	199
<i>Jianxiong Li, Qingxin Yang, Jinghong Miao, Naixing Feng</i>	
Research on the Type and Distribution of Natural Environmental Longevity Resources of Hainan Island Based on Geographic Information System	203
<i>Shi-chen Fan, Feng-xia Wang</i>	
Review of the Memory-Efficient Algorithms of the High-Order Difference Equations in the Finite-Difference Time-Domain Method	206
<i>Jianxiong Li, Qingxin Yang, Naixing Feng, Jinghong Miao</i>	
Estimators of Mean Based on Convex Depth	210
<i>Qiang Li, Zhibin Chen</i>	
An Exploration Technique for the Ant Colony System Optimization Framework	213
<i>Zhimeng Lv, Yong Chen</i>	
A Dynamic Channel Allocation Scheme Based on Handoff Reserving and New Call Queuing	217
<i>Yi Sun, Meng Li, Liang Rui Tang</i>	
Research of Solutions of Object-relational Mapping in JAVA Platform	221
<i>Wang Yaqing, Xu Yangyang</i>	
The Design and Analysis of Automatic Egg Packing Manipulator	224
<i>Hong Jiang, Tang Ning, Huang Dingshi, Zhang Cong</i>	
Application and Evaluation of Object-oriented Technology in High-Resolution Remote Sensing Image Classification	227
<i>Chuan Zhang, Yingjun Zhao, Donghui Zhang, Ningbo Zhao</i>	
Image Interpolation by a Coupling Partial Differential Equation	231
<i>Hai Tao, Xi Zhihong, Xiao Yihan</i>	
Location Finding in Wireless Sensor Network Based on Soft Computing Methods	235
<i>Seyed Mohammad Nekooei, M. T. Manzuri-Shalmani</i>	
Rank Equalities of Sum of Matrices Over Skew Field	240
<i>Wang junqing, Lu jiyong</i>	
The Layout Design and Finite Element Analysis of the Inspection Equipment of Egg Automatic Grading Line	242
<i>Hong Jiang, Huang Dingshi, Tang Ning, Zhang Cong</i>	
Based on TM image Extraction Method of PINUS SYLVESTRIS VAR.MONGOLICA Forests Indexs in HONGHUAERJI	246
<i>Yang Fan, Hou Enke</i>	
Remote Sensing Technology Application on Desertification Monitoring in Mu Us Desert	249
<i>Yang Fan, Hou Enke</i>	
A Novel Broadband RFID Tag Antenna Mountable on Metallic Surface	252
<i>Debiao Li, Jianxiong Li, Luhong Mao</i>	
Folded Microstrip Patch-type Tag Antenna Mountable on Metallic Surfaces	256
<i>Bo Lei, Jianxiong Li, Luhong Mao</i>	
Fault Diagnosis for Mechatronic Systems Based on Fusion Model	259
<i>Tang Wenkun, Xi Tao, Wu Baolin</i>	
Design of Ocean Surveillance Multifunctional Data Acquisition Processor	263
<i>Zhang Yingying, Ma Ran, Cheng Yan, Hou Guangli</i>	
Study on Book Purchase Strategy Based on Web Data Mining Technology	267
<i>Yang Haijing</i>	
Method of the Extension Mode Recognition of the Product Platform	270
<i>Yang Yanan, Miao Jinghong, Yu Hongbin</i>	
Study on Information Integration of Military Material Storage Transportation Conversion	274
<i>Liu Jinbiao, Xiao Xuefu, Liang Yingjie, Wu Huibo</i>	
Optimization and Realization of Texture-based H.264 Video Coding Algorithm	278
<i>Han Xiaojun, Wang Yongsheng, Du Xianyan</i>	
High Resolution Gray-scale Modulation Method Based on Linear Superposition for LED Displays	281
<i>Feng Yongmao, Xu Xiuzhi, Miao Changyun, Ding Tiefu</i>	
Research on Customer Requirements-Driven Product Customization System	285
<i>Junqiang Peng, Hongbin Yu</i>	
On the Isoperimetric Inequality in the Heisenberg Group	289
<i>Zhu xinhe</i>	
The Planning of Clothing Style Information Management System	291
<i>Chai Lifang, Sun Enle, Tie Lanye</i>	

Image Restoration Method based on the Combination of Heat Conduction Equation and Anisotropic Coupled Diffusion Equations	294
<i>Fang Zhang, Zhitao Xiao, Kai Ni, Haiyan Xi</i>	
A Chaotic Direct Sequence Spread Spectrum Communication System in Shallow Water	298
<i>Lihua Lei, Feng Xu</i>	
Wavelet Decomposition and Adaboost Feature Weighting for Facial Expression Recognition	302
<i>Zheng Zhang, Xiangning Chen, Zuowei Wang, Shan Wang</i>	
Design of High Real-Time and Multi-Point Temperature Monitoring System	306
<i>Ding Bo, Xu Lei-Jun, Zhao Bu-Hui</i>	
The Explore of New Medium Technology Used for Display Design	310
<i>Wang Jin</i>	
Study on Recognition Method of Human-machine Interactive for Airplane SAR Image	313
<i>Yang Guang, Wu Henan, Li Dejun, Tan Haifeng, Tian runlan, Zhang Jianfeng</i>	
Robust Control Design and Application for Hydraulic Turbine Generators	316
<i>Hongyan Chen, Lihua Su, Keping Zhao</i>	
Preparation and Application of Stable Highly Luminescent CdTe Core/Shell Quantum Dots	319
<i>Dong Han, Jimei Zhang, Zhao Dai, Guangping Chen</i>	
Study on Information Transmission Technologies in Future Antiterrorism Sensor Network	322
<i>Wu Guohui, He Mingli, Fan Xiquan</i>	
Application of New ATM Technologies in Low-altitude Airspace Management	326
<i>Mou Longfang</i>	
Analysis of A Novel Near-field Non-radiative Wireless Power Transmission System	329
<i>Zhang Xian, Yang Qingxin, Chen Haiyan, Li Yang, Yan Zhuo</i>	
Research on Module Division Method for Product Based on FCM Clustering Algorithm	333
<i>Yang Yanan, Miao Jinghong, Wang Zhongwei</i>	
Fine-Grained Access Control Model Based on RBAC	337
<i>Hu Zhong, Dong-yong Yang, Chen Jin-yin</i>	
A Blind Watermarking Algorithm Based on Color Space Conversion in DCT Domain	341
<i>Xie Bin</i>	
Problems Existing in Electrical Installation Engineering and Countermeasures	344
<i>Shi Dafa</i>	
The Design and Simulation of Frequency Divider Based on VHDL	347
<i>Yu Yaping, Wei Yong, Liu Yuan, Du Yanhong, Zhao Jincai</i>	
Research of Key-Technique on Automatic Repair System of Plane Blade Welding	350
<i>He Junjie, Li Liangyu, Li Jiahui</i>	
A Fuzzy Logic Variable Hysteresis Band Current Control Technique For Three Phase Shunt Active Power Filter	354
<i>Li Xia, Du Taihang, Tang Shengxue</i>	
Simulation and Verification of UDP Protocol with Fault-tolerant Mechanism	358
<i>Wang Min, Lian Yu</i>	
Current Harmonic Compensation by Shunt Active Power Filter Based on Adaptive Linear Neural Networks using Symmetrical Components	361
<i>Li Xia, Du Taihang, Zhang Xiaohui</i>	
The Terminal Design of the Energy Self-sufficiency Internet of Things	365
<i>Qingbin Meng, Jie Jin</i>	
Design of Low-Power Active RFID Tag in UHF Band	370
<i>Qingbin Meng, Jie Jin</i>	
LED Fluorescent Lamp Design	374
<i>Tiecheng Gao, Yanjin Ai, Haixia An</i>	
Feature Points Matching Based on Hysteretic Chaotic Neural Network	376
<i>Chunbo Xiu, Yuxia Liu</i>	
Associative Memory Based on Hysteretic Neural Network	379
<i>Chunbo Xiu, Yuxia Liu</i>	
Automatic Defect Detection Method for the Steel Cord Conveyor Belt Based on Its X-ray Images	382
<i>Xian-Guo Li, Chang-Yun Miao, Ji Wang, Yan Zhang</i>	
Study on Surface Defect Vision Detection System for Steel Plate Based on Virtual Instrument Technology	386
<i>Duan Xiaojie, Duan Fajie, Han Fangfang</i>	
The Performance Analysis of a Novel Micro-ring Resonator Filter	390
<i>Yu Liyuan, Liang Liang, Niu Pingjuan</i>	
Pseudo-Color Coding Based on Visual Model and Perceptual Space	393
<i>Jingyi Qu, Ying Du</i>	

Fault Diagnosis of Wind Turbine Blades based on Fuzzy Theory	397
<i>Yafeng Li, Guoxing Li, Yan Jun</i>	
Control Strategy and Simulation for Multi-axis HEV	400
<i>Shishun Zhu, Gang Yang, Hui Xiao, Yongle Ren</i>	
Research of the Harmonic Detection Method Based on Wavelet Transform	404
<i>Yuan Chenhu, Li Xiuyan, Zhao Xianlong, Wang Wei</i>	
Analysis and Prediction of EMI in Three-Phase Rectifier	408
<i>Yuan Chenhu, Yang Kai, Li Xiuyan, Wang Wei</i>	
Operational Fault Feature Extraction of Blade Based on Vibration of Wind Turbine	412
<i>Yan Jun, Xu Yuxiu</i>	
Research and Design of RFID Middleware Based on UML	415
<i>Fu-liang Guo, Ying-jie Liang, Xiao Xue-fu, Jin-biao Liu</i>	
Diabetic Retinopathy Fundus Image Processing Based on Phase Information	419
<i>Zhitao Xiao, Jun Wu, Qian Zhao, Jiangtao Xi</i>	
A Method of 2D Digital Mankind Model Reconstruction Based on Rhinoceros	422
<i>Wang Qiuhui, Yang Aihui, Ren Chengyuan</i>	
Modeling And Simulation of Vehicle Driving Shaft Generation System	426
<i>Shishun Zhu, Gang Yang, Hui Xiao, Chunbao Yang</i>	
Design and Implementation of Monitoring and Early-warning System in Lightning Protection Device	430
<i>Guo fu-Yan, Huang Min-de, Zhang Zhi-Gang</i>	
The Application of Temperature Sensor in Automobile	434
<i>Xu Zun, Liu Lili</i>	
Permanence of a Delayed Predator-Prey Model with Stage-Structure and Holling II Functional Response	438
<i>Liu Shaoying, Cao Xinjie, Pei Yongzhen</i>	
Ontology-based Information Extraction System in E-commerce Websites	442
<i>Yang Xiudan, Zhu Yuanyuan</i>	
The Study on the Test Generation Algorithm of Sequential Circuit	446
<i>Zhouxun Wangxiaoli Renrui</i>	
Research on Multicast Routing Protocol in Wireless Sensor Network	448
<i>Xin Li, ShuBo Qiu</i>	
Cloud Security of Cloud Computing Application	452
<i>Minrui Jia</i>	
Reconstructing Images Based on the CG Method with Krylov Subspace for ECT	456
<i>Ronghua Zhang</i>	
Surface Reconstruction and Application of Subdivision	459
<i>Guo Zhang, Xiaoli Liu</i>	
Double-wavelength Digital Particle Image Velocimetry	463
<i>Chunxiao Tang, Enbang Li</i>	
Design and Analysis of the Control System for the Interoperability of the Maglev Train	467
<i>Wei Zheng</i>	
The Research of Operational Transconductance Amplifier	471
<i>Jin Feiyue, Fu Xiansong, Niu Pingjuan, Yang Guanghua, Gao Tiecheng</i>	
ABS Control of Electric Vehicle on Various Road Conditions	475
<i>Sha Lin, Du Qifei, K. W. E. Cheng</i>	
Data Transmission Based on Endpoint 0 of 68013A	479
<i>Long Bangqiang, Zeng Zhoumo</i>	
Design of Mass Information Communication System Based on MCF52223	482
<i>Dejun Meng, Zhigui Lin, Qingqing Zhong</i>	
Discussion on the Improvement of XML Grouping Queries Algorithm	486
<i>Chunxia Ma, Wenhe Song</i>	
Design of Motion Platform for Automatic Dye Dispenser	491
<i>Zhao Zhenhong, Jiang Xiuming Du Yuhong</i>	
Research on Technique of Image-based Recognition of Indicator Statusus	495
<i>Wang Xishan</i>	
The Research of Optical Non-contact Fingerprint Sample Method	498
<i>Xu Keping, Shi Chenxi</i>	
Research on Algorithms for Recovering Landsat - 7 Gap Data	500
<i>Qun He, Bingying Shan, Hongbin Ma, Yongsheng Chen, Xue Wang</i>	
Image Matching using Genetic Algorithm on GPU	504
<i>Yongzhen Ke, Yuhao Li, Dandan Li</i>	

Generalized Predictive Control Algorithm Applied to Thermal Power Units Based on Fuzzy Neural Network	508
<i>Wei Sun, Hujun Ling</i>	
Images' Similarity Measurement Based on CUDA	512
<i>Yuhao Li, Yongzhen Ke, Zhiyi Wang, Ziqi Guan</i>	
Ultra-wideband Microwave Image Reconstruction by Robust Capon Beamforming Algorithm for Early Breast Cancer Detection	516
<i>Bingyu Liu, Xia Xiao, Xu Liu</i>	
A DFM Model of Mining Product Features from Customer Reviews	520
<i>Li Shi, Ji MingYu</i>	
Design of Fuzzy Temperature Control System Based on FPGA	525
<i>Zhou Runjing, Xu Hongwei</i>	
Integrated Feature Based Medical Image Retrieval	529
<i>Mingbao Tian</i>	
Research on IED Configurator Based on IEC 61850	532
<i>Pan Yun</i>	
An Approach for Intelligent Transportation Moving Shadow Detection via Perceptual Grouping and Texture Feature	536
<i>Xu Jieqiong, Wang Guoyu</i>	
Robust Stability Analysis and Controller Design for a Class of Uncertain Fuzzy Systems with Time-delay	539
<i>Lin Lin, Li-Ying Liu</i>	
Cases Discussion For Viral Marketing	543
<i>Min Liu, TianShi Qu</i>	
The Research on Variables Affecting Effectiveness of Team Learning of Zhangzhou Teacher College Students	546
<i>Xiuli Wang, Duhong Peng, Dianzhi Liu, Tiejun Wu, Jun Li</i>	
On Application of Schema Theory to High Vocational College English Reading Teaching	549
<i>Chang Hu</i>	
The Study on College Ideological and Political Education People-oriented Modern Moral Values	553
<i>Liu Yongfang</i>	
Realistic Choice of Diversification in the Postgraduate Education	557
<i>Hao Cheng, Jian Wei, Yongchun Huang</i>	
The Design of Physiological Information Collection Nodes Based on Wireless Body Area Networks	560
<i>Yanming Li, Gao Yi</i>	
Antimicrobial Resistance Surveillance of Escherichia coli Isolated From the First Bethune Hospital	565
<i>Jiancheng Xu, Sheng Wang, Shoumin Yi, Qi Zhou</i>	
Antimicrobial Resistance Profile of Enterobacter Cloacae Isolated from the First Bethune Hospital	567
<i>Jiancheng Xu, Man Zhang, Bin Zhao, Qi Zhou</i>	
Contemporary Social Design Principles in HCI Design	569
<i>Yu Ying, Zhang Ziran</i>	
Antimicrobial Resistance among Enterococci Isolated from the First Bethune Hospital	573
<i>Jiancheng Xu, Min Liu, Ran Liang, Qi Zhou</i>	
Three-dimensional Motion Capture Technology Applied in Teaching Fashion Show	575
<i>Yansheng Zhu, Liyuan Wang</i>	
The Thematic interpretation in Animation Modeling Teaching	578
<i>Fengqiu Tian, Shanhua Zhou, Defu Zhou, Minli Dai, Caidong Gu</i>	
Wired Remote Meter Reading System Based on Fieldbus	581
<i>Zhao Ming</i>	
The Application of Thematic Teaching Method in CG Teaching	583
<i>Fengqiu Tian, Defu Zhou, Ming Wang, Shanhua Zhou, Caidong Gu</i>	
Design and Implementation of Simulation Platform for Fuzzy PID Based on COM Technology	586
<i>Xiao-yan Wang, Ren-dong Ji</i>	
Research about the Influence of Reconstruction of Regional Network on Loss Reduction	589
<i>Liu Xueli, Liu Wenying, Xiao Zhaoxia</i>	
New License Plate Character Recognition Algorithm Based on ICM	592
<i>Jun Wu, Zhitao Xiao</i>	
Adaptive Observer Design for a Class of Nonlinear Systems	596
<i>Hui Wang, Yali Dong, Wen Qin</i>	
Design of Fore-optical System with Zernike Surface and High-peed for Hyper-spectral Imagers	600
<i>Zhao Hui</i>	

A WAV Format Audio Digital Watermarking Algorithm Based on HAS	604
<i>Cai Qian, Chen Yi</i>	
Application of Adomian Decomposition Method in Laminar Boundary Layer Problems of a Kind	608
<i>Li Hongjun, Kang Weimin, Cheng Bowen</i>	
Research On Cascade Algorithm of New Bio-encryption Technology	611
<i>Ma Ming, Wang JianMing</i>	
Linux Network Security Technology	615
<i>Deng Yiquan</i>	
Research and Design of Preprocessor plugin based on PCRE under Snort Platform	618
<i>Jin Shangjie, Wang Zhenhao, Li Meijian</i>	
The Optimization of DXF File Based on Greedy Algorithm and Its Dynamic Simulation Based on OpenGL	622
<i>Min Gan, Quanfei Liao, Tianxing Wei</i>	
Research on Fault Tree of Radar Launch System Based on Fuzzy Judgment	625
<i>Xian-ju Zheng, Wei Zhang, Chun Xie, Hang Luo</i>	
Location-based IP Addressing in IP-enable Wireless Sensor Networks	630
<i>Rong Ding, Haiying Du</i>	
Design of Digital Frequency Source	634
<i>Shi Rongrong, Jia Zhimin</i>	
Stepper motor drive control based on MCU	637
<i>Shi Rongrong, Luo Jing</i>	
A Test System of Roving Flyer Based On LabView	640
<i>Shen Wei-guo, Lian Yu, Zheng Hong-kang</i>	
Design of Grass-roots Soldiers Management System of Municipal Fire Brigade	644
<i>Wang Wei</i>	
Study of TSC plus SVG Based on the Mixture of Hot Rolling mill Control of Reactive Power Compensation	648
<i>Lei Zhang, Hui-guang Zhao, Shan-cheng Qi, Juan Yao</i>	
Exchange Properties of the Information Entropy between Field and Atom	652
<i>Xue-Qun Yan</i>	
Three-Step Optimization Method based on Posteriori Satisfying Degree for Fuzzy Multiple Objective Optimization	656
<i>Chaofang Hu, Na Wang</i>	
Design of Wireless Water-Saving Irrigation System based on Solar Energy	660
<i>Li wenyan</i>	
Adaptive filtered-e Inverse Compensation of a Nonlinear System	664
<i>Li Huaijian, Xing Tao</i>	
Design of Equiripple Linear-Phase FIR Filters Using MATLAB	668
<i>Min-ge Chen</i>	
System Design for Property Managers' Skills Standard Based on the Psychological Contract	672
<i>Yu Zhitao</i>	
Sensorless Control Technique for BLDCM	675
<i>Sha Lin, Du Qifei</i>	
A Study and Realization on Searching the SNMP Agent Based on BER	678
<i>Yun-zheng Ding, Zhen Hu</i>	
FPGA-based Design and Implementation of Arbitrary Waveform Generator	681
<i>Min Xu, Jingyu Hu, Yinyin Gao</i>	
Use The Periodic Four-state Hopping Model To Research Mechanism of Ammonia Transport	685
<i>Ning Xie</i>	
Integrated Communication System for Urban Emergency Command	687
<i>Jing Lv, Zhenling Liu</i>	
A Study on Encoding Processing of Career cases of Primary and Middle School Teachers With Career Plateau	691
<i>DongQuan Kou</i>	
Study on Remote Monitoring System of Fire Fighting	694
<i>Ma Shuling, Sun Shaoguo, Yang Tingwu</i>	
A Low-temperature-drift High-precision Band-gap Reference Current Source	698
<i>Wu Lan, Zang Hai-he</i>	
The Optimization of Share Price Prediction Model Based on Support Vector Machine	702
<i>Xie Guo-qiang</i>	
Face Recognition using FastICA Algorithm	706
<i>Xianqiu Wang, Xiubi Wang, Xiaoli Huang</i>	

The Introduction of Case Teaching to Improve the Quality of Bilingual Teaching in Chinese Universities	710
<i>Qian Xiong, Yangjun Pei, Shuangming Wang, Jun Peng, Yi Xiang</i>	
Study of Optical Properties of GaMnN	714
<i>Xing Hai-Ying, Niu Pin-Juan, Yu Li-Yuan, Zhang Jian-Xin, Sun Shao-Jiao, Yao Guang-Rui</i>	
On China's Higher Education on Talents Based on Needs of Grass-root Units	718
<i>Yong Li</i>	
Study of the Contribution of Deng Xiaoping's Educational Theory to the Development of Chinese Education	721
<i>Li Guohua</i>	
Perturbation Stability Margin Investigation on the Fixed PMSG Controller in Wave Energy Application	725
<i>Xiao Zhaoxia, Fang Hongwei</i>	
Stator Winding Inter-Turn Short Circuit and Rotor Eccentricity Diagnosis of Permanent Magnet Synchronous Generator	730
<i>Xiao Zhaoxia, Fang Hongwei</i>	
Hardware Design of Automobile Door with Local Interconnect Network Bus	734
<i>Xiao Zhaoxia, Li Youcheng</i>	
'Disappearing Sensor'-Textile Based Sensor for Monitoring Breathing	738
<i>L. Guo, L. Berglin, Y. J. Li, H. Mattila, A. Kalantar Mehrjerdi, M. Skrifvars</i>	
Multi-frame Image Super-resolution Based on Regularization Scheme	742
<i>Nan Zhao, Cuihua Li, Hua Shi, Chen Lin</i>	
Design and Implementation of Agricultural Production Data Collection System Based On S3C2440A and WinCE	746
<i>An Yanyan, Che Ming</i>	
A Novel Immune Algorithm for Supervised Classification Problem	750
<i>Xiaoming Li</i>	
Research of Logistics Inventory Optimization and Information Processing Based on Gray Clustering Decision	754
<i>Feiyan Zhao, Junle Yu</i>	
The Teaching of Specialized Course for College Students to Improve the Capabilities of Obtaining Employment - A Case Study of Health Education Course	758
<i>Li Guohua</i>	
Research on C/C++ Code Static Detection Based on Syntax Tree	761
<i>Xiaochen Lai, Kuanjiu Zhou, Peifeng Qiu</i>	
Intermodulation Distortion Analysis Method Based on a Rectangular Window Convolution	767
<i>Jing-lei Zhou, Yan-hui Wei</i>	
A Method for Recovering JPEG Files Based on Thumbnail	770
<i>Hong Guo, Ming Xu</i>	
The Art of Asking Questions in Genetics Teaching	774
<i>Jiwei Wu</i>	
Study on Image Target Enhancement Algorithm and Feature Location Technique	776
<i>Yongjian He, Fei Wang, Shoupeng Feng, Caigui Jiang, Yu Guo</i>	
An Enhanced Objective Cluster Analysis-based Fuzzy Iterative Learning Approach for T-S Fuzzy Modeling	780
<i>Na Wang, Chaofang Hu</i>	
The Construction and Running of a Contemporary Software Training Base in a Chinese University	784
<i>Qiang Cai, Tongqiang Jiang, Haisheng Li</i>	
Practical Education for Computer Science Undergraduates at East China University of Science and Technology	788
<i>Weibin Guo, Jianhua Li, Jianguo Yang, Gaoqi He, Hong Zheng</i>	
The Functional Intensification and Application of Garment CAD	792
<i>Zhang Lihua, Sun Baoqin</i>	
Psychological Impact of Internet on College Students and Analysis of College Students' Current Network Using	794
<i>Xueqin Teng</i>	
Design and Research on Light Sources in a White Light Interferometer	797
<i>JiaWen Liu, QiCheng Tao, Di Xiong, Chang Cai</i>	
Platinum Resistance Precision Thermometer	800
<i>Li Wenna, Gong Pan</i>	
Design of Mechanical Sensing System based on PVDF Piezoelectric Sensor	803
<i>Yan-Shen Wang, Yu-Xian Gai, Shi-Ming Li</i>	

Research of Invigilation Teacher on How to Accurately Ascertain the College Students Cheating in Examinations.....	807
<i>Zhengku Wang, Fengxia Li</i>	
Non Mainstream Industrial Design - Trades an Angle to Look at the Design.....	809
<i>Wang Jingyue</i>	
Study on the Relationship between RGB-HSX Conversions and Space Models	812
<i>Liu Huabo, Men Yuying</i>	
Research on Aerosol Technology in the Area of Prevention and Control of 'Urqpvcpgqwr'Ego dwukp'qhEqcn.0....	816
<i>Lanfang Zheng</i>	
A Summary of Elementary Substances and Compounds being Capable of Spontaneous Combustion	819
<i>Lanfang Zheng</i>	
Control Parameters Selection of Solar Energy and Heat Pump Cocoon Drying Equipment.....	823
<i>Zhao-Jun Guo, Xue-Jiang Lai, Yan-Tao Jiang</i>	
Research On the Heart Sound Monitor System of the FBG Intelligent Clothing	826
<i>Gao Hua, Miao Changyun, Zhu Lide, Ma Ming</i>	
Implementation a Prototype of XML Security for Certificate Management.....	830
<i>Baolong Liu, Hua Chen</i>	
Submanifolds with Moebius Sectional Curvature in a Unit Sphere	836
<i>Kaiwen Guo</i>	
Sensorless PMSM Drive with a Sliding Mode Control Based on Adaptive Gain Observer	841
<i>Zhang xin, Geng Yuehua, Zhang Mu</i>	
Fuzzy Topological Properties on Rough Set Model	845
<i>Kaiwen Guo</i>	
The Research of Digital Vector Control driver of Permanent Magnet Synchronous Machine.....	849
<i>Zhang xin, Geng yuehua, Zhang mu</i>	
Game Theory Based Power System Security Analysis	853
<i>Fawang Wu, Zhouxing Hu, Keyu Chen</i>	
Robust Fault-Tolerant Control for Dissipative Hamiltonian Systems Subject to 'Cewcwqt u)'Cf f lskg'Hc wuu.....	856
<i>Song Xu, Xiaorong Hou</i>	
High Speed Data Acquisition and Processing System Design of Power Transformer	860
<i>Sun Xing-tao, Zhao Wen-rui</i>	
Peer-to-Peer Simulators Architecture and Design Methodology.....	863
<i>Hui Bi, Tao Guo, Baosheng Qu</i>	
Study on Automatic Control of Water Transfer Projects before Freezing.....	867
<i>Guoqiang Liu, Yibo Yan, Changde Wang, Guanghua Guan</i>	
Study on Marketing Strategies of 3G Wireless Broadband Services Based on Bayesian Decision-Take Hubei Telecom for Example	871
<i>Wang Chun, Xie Zhong</i>	
A Case-Based Reasoning Method for Network Security Situation Analysis.....	875
<i>Yuan Wang, Anguo Zhu, Jichun Zhang</i>	
Study of Measurement of Protein Content Based on Laser Light Scattering Technology	879
<i>Qin Yong, Zhou Zhen</i>	
Fusion of Multispectral and Panchromatic Images using IHS Transform and ACE Model.....	883
<i>Zijun Feng, Xiaoling Zhang, Jingbo Zhang</i>	
Improvement and Realization of Dijkstra Algorithm in GIS of Depot	887
<i>Dechuan Kong , Yunjuan Liang, Xiaoqin Ma, Lijun Zhang</i>	
Research on Filtering System of Harmful Information on Network Based on K Nearest Neighbor Algorithm	891
<i>Xiai Yan, Jinmin Yang, Xiai Yan</i>	
A Study of Financial Management Information System Construction in Colleges and Universities.....	895
<i>Liu Liu, Qi Li, Peng Lu</i>	
Analysis and Countermeasures of Employment Situation for Medical School Students Under the Influence of Financial Crisis	898
<i>Xueqin Teng</i>	
Tourism Demand Forecasting in Weifang Based on Artificial Neural Network	901
<i>Xiuhua Liu</i>	
Edge Detection Algorithm Based on Wavelet Transform and Mathematical Morphology.....	905
<i>Yujing Zhang, Qirui Han</i>	
Design and Error Analysis of Geomagnetic Measurement Circuit Based on Triaxial Magneto-resistive Sensor	908
<i>Yonghui Li, Xiaoming Zhang, Guobin Chen, Xing Cui, Jun Liu</i>	

An Improved SLM Algorithm for Reducing PAPR in OFDM System	911
<i>Wang Ding, Xu Lin-Bo</i>	
High-speed Video Processing System Design Based on DSP and H.264.....	914
<i>Lingling Xiao, Yong Luo</i>	
Design of Battery System of Emergency Power Supply for Auxiliary Fan in the Coal-mine.....	917
<i>Huang Kai, Li Zhigang, Yang Chunwen</i>	
Discharge Error Analysis of Check Gate Combined with Inverted Siphon In a Canal Simulation System.....	923
<i>Yibo Yan, Guoqiang Liu, Changde Wang, Guanghua Guan</i>	
Study on the Flameproof High Power Emergency Power Supply System for Auxiliary Fan in the Coal Mine.....	927
<i>Huang Kai, Li Zhigang, Yang Chunwen</i>	
Maximum-Torque-per-Ampere Control of Interior Permanent Magnet Synchronous Machine Applied for Hybrid Electric Vehicles	931
<i>Peng Huang, Chang-yun Miao, Hong-qiang Li, Cheng Zhang</i>	
Based on Improved Chaotic oscillator's Prediction and Simulation for the Monitoring Network Traffic Flow of Coal Gas.....	934
<i>Xiao-qiang Shao</i>	
A Study on the Management Model of Campus Interesting Sports Meeting Based on the Network Environment	938
<i>Bing Zhang, Junlong Zhao, Huaping Wang</i>	
The Thermodynamic Behaviour of Potassium During Rice Straw Combustion	942
<i>Xiaoqin Ma, Dechuan Kong, Tianbao Ren, Guizhuan Xu</i>	
Study on An Improved Fuzzy-integral Measure Method and Its Application	947
<i>Yan-bing Yin, Shao-wei Liu, Xue Feng</i>	
Analysis and Research of Real Time Ability of Message Transmission in CAN Bus.....	951
<i>Gao xian, Li lin-sheng</i>	
Theoretical Analysis and Experimental Study on Multimodal Biometric	954
<i>Li Xiuyan, Miao Changyun, Liu Tiegeng, Yuan Chenhu</i>	
Friction Cancellation Based on Output Differentiation for Gyro Stabilized Pod	958
<i>Xianli Li, Bin Liu</i>	
The Applied Study of Web-Based Teaching in Modern Higher Education.....	962
<i>Yang Hongwei, Li Xiaohui, Zhang Fang</i>	
Study on Real-time Performance of AFDX Using OPNET	965
<i>Xia Jiqiang, Bai Ronggang, Yuan Weimin</i>	
Video Surveillance System on The Web: The Use of Mediastreamer2 Library and ActiveX Control.....	970
<i>Min Chen, Hezhi Lin, Lianfen Huang</i>	
A CUDA-based Multi-Channel Particle Swarm Algorithm.....	974
<i>Li Wenna, Zhang Zhenyu</i>	
Super Monitoring System of the Reaction Kettle in the Chemical Process	978
<i>Jiaxin Wang, Lianhe Yang, Ming Ma, Hongle Gao</i>	
Effect of Fillet Angle on Stress in Weld-bonded Aluminum Joints	981
<i>Min You, Dingfeng Zhu, Jialing Yan, Cunjun Chen, Chunzhi Mei</i>	
A Method of Using GeoServer to Publish Economy Geographical Information.....	985
<i>Zechun Huang, Zhu Xu</i>	
Optimization Algorithm of Association Rule Mining Based on Reducing the Time of Generating Candidate Itemset.....	989
<i>Huang Qiu-yong, Tang Ai-long, Sun Zi-guang</i>	
Application of Neural Network Based on the Unscented Kalman Filter.....	993
<i>HongLi Li, Xin Ma</i>	
Numerical Analysis of Adhesive Thickness on Butt-joints Under Impact	998
<i>Min You, Dingfeng Zhu, Aiping He, Jingrong Hu, ling Wu</i>	
Structure of Wireless Sensors Network Based on TinyOS.....	1002
<i>Rui Gao, Hong Zhou, Gang Su</i>	
A Distributed Cross-layer Adaptive Scheduling Algorithm for Wireless Mesh Networks.....	1006
<i>Hua Guo, Jian Guo, Zhong Zhang, Jiansong Zhang</i>	
User Classification and Relationship Detecting on Social Network Site	1011
<i>Zhe Wu, Changjia Chen</i>	
The Research on the Register Control System of Multi-Color Web Offset Press Based on Computer and PLC.....	1015
<i>Zhi-ping Xie, Xian-ju Zheng, Li-ping Lei, Wei Song</i>	

Water Resource High-efficient Robotized Management of Long Distance Canal System in Winter	1019
<i>Mengkai Liu, Changde Wang, Xiaobo Feng</i>	
Using NDVI and Air Temperature to Monitoring Winter-Wheat Phenology in Xingtai, Hebei, China	1022
<i>Junming Liu, Wencai Si</i>	
An Extension Result on Common Quadratic Lyapunov Functions	1026
<i>Yongge Wen, Yongchi Zhao</i>	
Applied Study of Layer 3 Switching Configuration Based on VLAN Among Colleges' Library Network Systems	1030
<i>Zhang Yaojun, Liu Hao, Ren Feng</i>	
A Relaxed CQ Algorithm for Solving Split Feasibility Problem	1034
<i>Jing Sun, Rudong Chen</i>	
Convergence Theorems for Countable Family Lipschitzian Mappings in Uniformly Convex Banach Spaces	1038
<i>Jing Sun, Yanrong Yu, Rudong Chen</i>	
Outliers Based Double-Kalman Filter for Sound Source Localization	1042
<i>Hao Sun, Peng Yang, Hairong Sun, Linan Zu</i>	
Music Education and Mental Health Cultivation of University Students	1046
<i>Mei Wang</i>	
A Far Field Sound Source Localization System for Rescue Robot	1049
<i>Hao Sun, Peng Yang, Linan Zu, Qinqi Xu</i>	
Analysis of Correlation in Batch Markov Arrival Process	1053
<i>Wei Li, Yingjie Wang</i>	
Property of Kronecker Product of Matrices over Skew Field	1056
<i>Feng yumin, Wang junqing, Lu jiyong</i>	
Design and Simulation of Single Phase Photovoltaic Grid-connected System Based on Quasi-sliding Mode Control	1060
<i>Wenfang Yang, Mingwei Li</i>	
The Application of ANSYS in the Girder Construction Scheme Design and Analysis for the Large Span Steel Tube Arch Bridge	1064
<i>Yue Zhang</i>	
The Employment Current Situations of Petrol Engineering Specialized Students and Its Countermeasure Research	1067
<i>Fengxia Li, Zhengku Wang, Gao Ming</i>	
The General Education in the 21st Century	1070
<i>Hongren Zhan, Lipeng Wang, Jinping Zhang, Xiangfu Zeng, Cuihua Wang</i>	
The Distinctive Construction and Course System of the Computer Science and Technology Discipline at Agriculture and Forestry Colleges	1072
<i>Naixiang Li, Na Yu</i>	
Constructing New Type Teachers Team by Having Undergraduate Advisors System Been Gelivable	1075
<i>Fujiang Mo, Mingli He</i>	
Applying Case-Teaching Method in Calass of Preventive Medicine Specialty	1079
<i>Yongmei Tang, Juxiang Yuan, Fumin Feng, Weijun Guan, Xueyun Fan, Guangzeng Wang</i>	
The Study on Higher Education Quality Management Method in China	1082
<i>Lu Shaojuan</i>	
Targeted Teaching Research on Degree Graduate' Medical Statistics	1086
<i>Sufeng Yin, Ying Zhao, Jianhui Wu, Gouli Wang</i>	
The Application of Blended Learning in the Teaching Design of Computer Aided Design	1089
<i>Li Hongli, Zhou Defu, Fang Ligang, Dai Minli</i>	
Research on Problems and Countermeasures of Undergraduation Thesis in Colleges and Universities	1092
<i>Yang Bin</i>	
The Innovation Research of Basketball Skill Teaching Process	1095
<i>Shuguang Shan, Yuanyuan Feng</i>	
On English-Chinese Translation Skills of Attributive Clauses in EST	1098
<i>Qi Ma, Ying Zhang, Yi Liu</i>	
On Challenges of Chinese-English Translation of Publicity Materials under the Background of Globalization	1102
<i>Qi Ma, Ying Zhang, Yi Liu</i>	
The Analysis of Violation of Cooperative Principle in College English Listening Comprehension Teaching	1105
<i>Li Nan, Huang Min</i>	

The Education Reform of Surveying Practice of Civil Engineering Major in Application-oriented University	1108
<i>Zhongjun Ma</i>	
Students' Perceptions for Interactive Process Characteristics of Efficient Team Learning	1111
<i>Peng Duhong, Yu Jieting</i>	
The Normality Analysis of Test Scores	1114
<i>Sumin Han, Pinghua Huang</i>	
A Correlation Study between Dictation and English Proficiency of Chinese English-Major Students	1117
<i>Yuzhi Luo, Xiaolong Zhang</i>	
Study and Comparison on Sino-American Teaching Method of Structural Analysis	1119
<i>Fen Zhou, Yunxing Du</i>	
A Study on Energy Consumption and Economic Growth of Three Northeastern Provinces in China	1122
<i>Lixin Yu, Zhu Tianxing, Wang Zhao, Tian Huiyong</i>	
Study on Research-Oriented College English Course	1126
<i>Meihua Chen, Shanhua Zhu, Xiangyu Chen</i>	
Analysis and Enlightenment of the Evaluation Index System of the Higher Vocational National Excellent Courses	1129
<i>Yan Yingzhan, Gong Shu</i>	
Based on K-blog College Ideological and Political Education Mode Research	1133
<i>Luya Wang</i>	
Understanding Teacher and Students' Development in a Chinese CALL Context: Review and Prospect	1136
<i>Quanyou Ruan</i>	
Discussion on Teaching Reform of Electric Machinery and Drive Course	1140
<i>Dongmei Wang, Lingshun Liu, Yan Li</i>	
Role-based Learning Path Discovery for Collaborative Business Environment	1143
<i>Xiuzhen Feng, Yang Peng, Haoran Xie, Ziyu Yan</i>	
The Methods of Course Teaching Based on The Ability Demand and Their Application Study in Education in Holding A Post	1147
<i>Dongmei Wang, Junwei Lv, Yan Li</i>	
An Exploration of Innovative Teaching Mode of Programming Course	1150
<i>Xiaochen Lai, Kuanjiu Zhou</i>	
"Embedded System Programming" Curriculum Construction Based on Research Teaching	1154
<i>Xiaochen Lai, Kuanjiu Zhou</i>	
The Theory-building and Scaling of the Sense of Alienation	1158
<i>He Wenjing, Wu Jixia</i>	
The Characteristics and The Enlightenment of Primary Professional Education in Foreign Military Colleges	1161
<i>Dongmei Wang, Junwei Lv</i>	
A Practical Research on Model of School-enterprise Cooperation of Applied Local Universities	1164
<i>Li Suhua</i>	
The Primary Exploration of Case-Based Teaching in HSE Risk Management Teaching	1168
<i>Jumei Liu, Wenhua Li, Zhengjun Long, Chunbi Xu, Liping Guo</i>	
Research on Broadband and High-Gain Quasi-Yagi Antenna and Array	1171
<i>Xueying Zhang, Shu Lin, Guanlong Huang, Ruiqi Jiang, Runnan Cai</i>	
Ma Yinchu's Personality and its Formation and Development: An Application of Multidimensional Scale Analysis	1175
<i>Wu Jixia, Cao Wenwen</i>	
Digital Watermarking Algorithm Based on Wavelet Transform	1179
<i>Yaohui Dai, Chunxian Wang</i>	
Application of Computer Graphics Technology	1182
<i>Wang Wei</i>	
Operating Mechanism For Open Laboratory Based on Research Projects	1186
<i>Xin Yuan, Zhilin Liu, Li Su</i>	
An New Computational Method of the Identification Jacobian for Robot Manipulator Calibraton	1189
<i>Jianye zhang</i>	
The Teaching Reform and Practice of NC Technology Professional Courses Based on Work-study Combination	1192
<i>Wu Chenyan</i>	
The Automating Detecting of Stitch Distortion in Knitted Fabric by Image Processing Technology	1195
<i>Yue-wu Zhou, Guang-Li Song, Ming Fang</i>	

The Reasonable Combination of Game and Teaching	1198
<i>Ding Shuchun</i>	
Visual Communication Deduce Teaching Research	1201
<i>Ding Shuchun, Jiang Luping</i>	
Hysteretic Neural Network and its Applications in Associative Memory	1204
<i>Liu Wei, Lu Lifen</i>	
The Teaching Methods of Calculus	1207
<i>Hu Zhi Xing, Zhu Jing, Zheng Liancun</i>	
The Application of CAD Technology on the Study of Image Feature Extraction	1211
<i>Mei-yan Hu, Tang Jun-Fang</i>	
A Experimental Research on Impact-factor of Trust in Cooperation Dilemma	1215
<i>Zhao zizhen, Du jing, Wu Jixia</i>	
Frequency Tracking Fuzzy Control for Giant Magnetostrictive Linear Transducer System	1218
<i>Wenmei Huang, Guiying Song, Ku Tian, Yi Fang</i>	
Discussion on the IT Professional Students' Occupational Competency from the Vocational Skills Contest	1222
<i>Zhang Guo-hai, Nan Yi-min</i>	
Study on Diagnosis Method of Fuel Cut-off Fault of Diesel Engine Fuel Supply System	1225
<i>Jin-Song Zhao, Tao Huang, Jun Men, Hong-Wen Ma</i>	
The Loom Monitoring System Design With High Reliability And Easy Maintainability	1229
<i>Deyi Dong, Zhenquan Shi</i>	
Teaching Reform of the Course Electromechanical Control in Independent College Based on Courses Teaching with Engineering Applied Software	1234
<i>Yingqi Tan, Xiangyang Liu, Jiankang Wang, Wei He</i>	
Design and Application of Automatic Control System Program Based on FESTO Training System	1238
<i>Li-Xia Li, He Min Lu</i>	
Research on Planning method of Adaptable Modular Product Platform	1242
<i>Wang Zhongwei</i>	
Simulation Analysis of BLDC Motor Three Step Starting	1246
<i>Wang Zhongwei, Liu Haiting, Zhao Xueping</i>	
Anti-control of Hopf Bifurcation for Eco-epidemiological Model with Delay	1252
<i>Changjin Xu, Qianhong Zhang</i>	
The Design of the Data Acquisition Mode of Wireless Intelligent Remote Water Meter System in the High-rise Building	1256
<i>Wang Chun</i>	
A Design of Multi-channel Synchronous Data Acquisition Card Based on CPCI	1259
<i>Nailan Bao, Lige Ning, Wenna li</i>	
Application Analysis on Wireless Data Transmission Chip AX5051	1262
<i>Wang Chun</i>	
The System of Signal Acquisition and Processing of Industrial CT	1266
<i>Rong Feng, Miao Changyun, Shi Chenxi</i>	
A Embedded Design of Mine Monitoring System	1270
<i>Nailan Bao, Lige Ning</i>	
A Grammar-based Supply Chain Process Modeling Method	1273
<i>Fan Qin, Yongzhen Ke, Jianhua Xiao</i>	
Compiling Ladder Diagram based on Node Method	1277
<i>Zhiyuan Tang, Taiyong Wang, Jingchuan Dong, Zhifeng Qiao, Xianggui Ling, Yanyu Ding</i>	
Printed Direct-Antenna with Skirted Active Dipole	1281
<i>Runnan Cai, Shu Lin, Xueying Zhang, Guanlong Huang</i>	
Exploration and Innovation on Bachelor Graduation Thesis Teaching Method in Research University	1285
<i>Guanghui Xue, Miao Wu</i>	
Application of Soft Demodulation in LTE Physical Layer Downlink	1289
<i>Lang Tianyi, Jia Yin</i>	
Digital Wireless Telemetry Circuit Temperature	1294
<i>Zhao Shengyong, Su Changzan</i>	
Temperature and Pressure Detection System of Gas Tanks using Fiber Bragg Grating	1297
<i>Liu Guangwei, Guo zhenwu, Wu Fan, Li Yang</i>	
Application of RFID and Data Mining in the Timber Management System	1300
<i>Ma Yan-mei, Ren Hong-e</i>	
The Problems and Countermeasures on Student – Records Management in Electronic Service Work of Colleges and Universities	1304
<i>Xueqin Li, Yan Xiaoming</i>	

Constructing the Model of Leadership Orientations Affecting on School Organizational Culture	1307
<i>I-Jun Chen, Cui Chen</i>	
Application of CAD Technology of Human Body Model Reconstruction Based on Imageware	1311
<i>Xiaoning Jing, Xiaojiu Li</i>	
CMAC and PID Compound Control in Air Conditioning Systems	1315
<i>Lijuan Xing, Shizhong Yang, Qianqian Lu, Juzhong Yue</i>	
The Realization of Virtual Characters of Martial Arts Digital Emulation Teaching System	1318
<i>Chao Guo</i>	
Development of Comprehensive Practice Course Based on Industry-university Cooperation	1322
<i>Linhui Zhao, Jiancheng Zhang, Fan Yang, Wu Tang</i>	
Application Foundation Analysis of Confidence Machine in Personalized Learning Network Course	1325
<i>Fangchun Jiang, Shengfeng Tian, Yunfan Lu, Jing Zhao</i>	
On the Teaching Methods of College Basketball Playing Classes	1329
<i>Jin Zhuang Wang</i>	
Simulation of Human Abnormal Chromosomes: An Innovative Tool for Teaching	1332
<i>Wei Wu, Xiaoli Yang, Charles Tseng</i>	
Research about Current Condition and Development of Digital Urban Management in Chongqing	1336
<i>Ruiling Wang, Shirong Li</i>	
Quality Estimation of the Resistance Spot Welding Based on Genetic K-means Cluster Analysis	1340
<i>Hongjie Zhang, Yanyan Hou</i>	
Artificial Neural Network Prediction of Angle Based on Surface Electromyography	1344
<i>Li Dapeng, Zhang Yaxiong</i>	
The Improvement of Fiber Parametric Amplifier Pulse Source via Phase Modulation of Pump Light	1347
<i>Xiaoyuan Zhang, Jinlong Yu, Jun Luo</i>	
Virtual Reality Technology in the Design of the Space Environment Research	1350
<i>Wang Jin</i>	
A Hybrid Model to Forecast Wind Speed Based on Wavelet and Neural Network	1354
<i>Yao Chuanan, Yu Yongchang</i>	
Circular Loop Antenna for UHF RFID Tags with Inductively Coupled Structure	1358
<i>Jieying Wu, Jianxiong Li, Xusheng Cui, Luhong Mao</i>	
Study on the Dynamical Characteristic for Current-feedback BUCK Converter	1362
<i>Yuan Chenhu, Wan Jianru, Zhou Hailiang</i>	
Research and Implementation of Total Organic Carbon of Seawater using the Chemiluminescence Dynamic Method	1366
<i>Yan Liu, Guo-xing Ren, Jiang-tao Wang</i>	
Miniaturized Dual-Band patch Antenna Mounted on Metallic Plates for RFID Passive Tag	1370
<i>Jieying Wu, Jianxiong Li, Xusheng Cui, Luhong Mao</i>	
Author Index	