

Contents

Part I Communication Technologies and Applications

1	Research on the Performances of Ad Hoc Routing Protocol	3
	Qingyun Luo and Jinguo Zhao	
2	The Research on Wireless Positioning Base on ZigBee	11
	Hong Li and Lian-he Cui	
3	Analysis and Design of a New Digital Radio	19
	Yuxin Zhao	
4	The Research and Application of Sensor Network Data Management Based on SQLITE	27
	Hongjuan Li	
5	Acoustic Target Localization Algorithm in Wireless Sensor Networks	33
	Shuo Xiao and Qiuyan Yan	
6	A Distributed Cognition and Project Practice Based Teaching Method for LAN Technology Course	43
	Jun Wang	
7	Applying .NET Remoting Technology in the Remote Broadcast System	51
	Jing Zhao, Jianbo Liu, and Jin Yang	
8	Security Risks in the Internet of Things	59
	Xueping Liu	
9	Ethernet Firewall Intrusion Detection Research and Application	65
	Xia Wang	

Part II Computer Technologies and Engineering

10 Application of Security Evaluation for Building Disaster Protection Based on Fuzzy AHP	75
Yizhou Jiang, Jun Li, and Shifan Zhu	
11 The Research of Construction Project Green Evaluation	83
Zuxu Zou and Yanbing Deng	
12 A Novel Approach for Intrinsic Dimension Estimation Based on Maximum Likelihood Estimation	91
Baowei Fu, Xibin Wang, Bo Yang, Zhenwei Han, and Xiumin Zhao	
13 Application of Nonparametric Projection Pursuit Regression in Prediction of the Fault Diagnose of Advanced Amphibious Assault Vehicle Fan Pump	99
Gehua Fan, Yucui Dong, Lianghai Yi, Ling Zhang, and Min Lin	
14 Green Supply Chain Management in Construction Enterprise . . .	105
Jing Jing Qin and Xiaofeng Peng	
15 The Application in Research on Sports Performance Prediction Based on Improved Markov Chain	111
Shoumu Pu	
16 Fitness Landscape Analysis for Capacitated Vehicle Routing Problem	119
Lin Tian	
17 Operation Mechanism of Industrial Cluster: Based on the Synergetios Theory	127
Tao Zhou	
18 A Study on Effectiveness of ESP Training in VR Environment	137
Xun Zhang and Yan Zhang	
19 The Design Constraints of Kung Fu Tea Set	145
Ai Hong Wang and Hui Ma	
20 The Study on Sport Teaching Theory Based on PIN-Bonding Mode	153
Li Chuang and Wang Zhen	

Part III Information Management

21 Discussion on Enterprise Culture Based on ISO26000 Social Responsibility Manual	163
Ruokui Su and Yueshuang Zhu	

22	The Incentive System of Human Capital Innovation in Science and Technology Enterprise	171
	Lianghong Zhuang and Hao Ren	
23	A Comparative Review of Research on Corporate Social Responsibility Reporting in Domestic and Abroad	179
	Meichen Wang	
24	The Strategy of Improving the Quality of Undergraduate Graduation Design (Thesis)	187
	Lei Liu and Chao Zhang	
25	The Research on Psychological Obstacles Elimination in Hurdle for Students of University	195
	Jing Xu	
26	PE Student Performance Evaluation Model of Professional in University	201
	Wei Wei	
27	The Scientific Research Team Management Based on Life Cycle	207
	Zhang Lina and Zhang Yunbang	
28	The Stereo Analysis on Cultural Industry	215
	Xiaoyan Jia and Jichuan Rong	
29	Research on Development Strategy of Cultural Industry Based on the Innovation Mechanism	223
	Xiaoyan Jia and Jichuan Rong	
30	Feeling of Academic Success, Learning Adaptability and Academic Procrastination of the College Students Major in P.E.	231
	Da-Peng Zhu	
31	On the Improvement of Further Education for Accountants	239
	Li Zhiyuan and Quan Jingjing	
Part IV Multimedia Technology and Application		
32	Three-Dimensional Reconstruction of Teeth CT Images	247
	Taifa Zhang and Chaoyang Gao	
33	On Organic Combination of Multi-media Information Technology and College Physical Education Teaching	255
	Zhen Feng Zhang	

34	Efficient Physical Education Method Based on Multimedia Technology	261
	Zhihong Deng and Qinglan Hu	
35	The Application of Psychology in the Production of Multimedia Courseware	269
	Haihong Li and Guangtao Zhang	
36	Research on Virtual Reality Technology Based on Sports	277
	Kelei Li, Fengling Li, and Guangmin Song	
37	An Approach for Image Retrieval Using SVM	285
	Hui Liu and Ke Xu	
38	Efficient English Learning Scheme Based on PowerPoint Software	293
	Lin Li	
39	The Application of Computer-Aided Teaching in Semiconductor Physics	301
	Fengxiang Chen, Lisheng Wang, and Wenying Xu	
40	Non-rigid Registration of Ultrasonic Image Based on Matching Corresponding Landmarks	309
	Xuan Wang	
41	Efficient Graded Teaching Scheme Based on Multimedia Environment	315
	Ronggen Zhang	
42	Studies of Mode on the Effective Application of the Multimedia in Foreign Language Teaching	323
	Yan Wu	

Part V Network Systems and Applications

43	The Design and Implementation of Campus Web Search Engine	333
	Peixue Wang and Minjie Xia	
44	A New Detecting Technology of the Spontaneous Fire Position in Oil Tank	341
	Kai Shao, Hui Liu, Jie Liang, and Yunzhu Zhou	
45	The Application Research on Library Management Based on Knowledge Management	349
	Bo Xia	

46	Site Classification and Site Quality Evaluation of the Land for Coal Gangue Dump in Fushun Mining Area	355
	Chen Wang	
47	Research on the Evolution of Development Mode of Trade Network Based on the Economic Globalization	363
	Zhonghui Jia and Xuemei Sun	
48	Study of Virtual Learning Community on Foreign Language Teaching	371
	Xiaohua Zhu	
49	Study and Application of BP Neural Network in Intrusion Detection	379
	Zhiwei Zhao	
50	The Study on Network Intrusion Detection Based on Improved K-means Algorithm	387
	Zheng Yanjun	
51	Research on the Application of Construction Project Management Based on Internet Technology	395
	Feiyue Wang and Shuping Zhao	
52	Study on Model and Operational Mechanism of University Library Knowledge Management	403
	Xiaowen Chen	

Part VI Software Engineering and Application

53	IDS Method Based on Improved SVM Algorithm under Unbalanced Data Sets	413
	Jing Xu	
54	Comprehensive Evaluation of Torpedo Tactical Performance Indices Based on the TOPSIS Method	421
	Qi Jin, Mingfu Song, Yucai Dong, and Ying Liu	
55	Using Improved Genetic Algorithm to Solve Game Problem	427
	Qiuji Zhang	
56	Research of Modern Physical Education Technology Based on Artificial Intelligence	435
	Xin Zhang	
57	Design on Management System of University Degree Based on Modern Information Technology	443
	Juxing Xu	

58	Research on the Construction of Small and Medium-Sized Enterprises Performance Evaluation Indicator System	451
	Yaowu Wei	
59	The Research of the High-Grade Complex Software Talent Training Mode Combining Universities with Enterprises	459
	Liang Xu, Huang Ming, and Dong Chang Hong	
60	Research on Cultivation Mode of Complex Software Talents	467
	Huang Ming, Dong Chang Hong, and Liang Xu	
61	Empirical Analysis of Financial Fraud Identification in Chinese Listed Companies	475
	Aijun Yi and Huajiang Dai	
62	The Study on Neural Network Feedback based on Learning Algorithm	481
	Chen Xiang and Pi Huihuang	
63	Efficient Innovative Teaching Scheme of Internet of Things Based on Practice	493
	Liu Xi and Zhang Yuzhi	

Part VII Education Information

64	Analysis on the Application of Information Technology in College Physical Education Course	501
	Yunlong Du	
65	Guide and Enhancement of Eco-Design in Modern Art Design Education	509
	Xiaodong Xie and Changan Tang	
66	Research on Education in Humanities Accomplishment of College Students	515
	Zhao Wenjing, Yang Qing, Rui Du, and Dou Lili	
67	Research on Physical Education Reform Based on Expanding Movement	523
	Xiao Xianglin	
68	Reform Practice of English Teaching Based on Level Theory	531
	Liu Chunrong	
69	Efficient Innovative Scheme for Construction of Off-Campus Practice Base	539
	Hao Zou	

70	Research on Art Education during the Campus Cultural Construction	547
	Huizi Cao	
71	Analysis on the Characteristics of Cultural Industry Based on Network Technology	553
	Yunchun Chen	
72	College-English-Teaching Reform Under the Perspective of General Education	561
	Yan Zhang and Ping Wu	
73	Research on the Cultural Popularization of Taichiquan Based on the Network Environment	569
	Li Zhang and Qilun Cai	
74	The Correlative Study of Work-Family Conflict and Job Burnout in Chinese University Teachers	577
	Lihua Yang and Shujun Tang	
75	The Exploration for Computer Teaching Reform of College Based on CDIO Education Concept	585
	Zhulin Li, Wenfa Wang, and Chun Xu	

Part VIII Control and Automation Technologies

76	Research on Majiagou Landslide Stability Analysis and Control Design	595
	Xu Zhang and Juhong Tan	
77	Reform of the Two-Side Teaching Mode in Information Management and Information System Discipline	603
	Jing Lin	
78	Design and Implementation of Project Management Information System Based on .Net	609
	Lifeng Wang	
79	Research on Personalized Mathematics Intelligent Tutoring System	615
	Peitao Cheng, Ke Zhao, Wei Xu, and Yatao Li	
80	Research and Design on Remote Control of Home Furnishing Automation Based on the Switch Socket	623
	Guanghong Gao	
81	Design and Implementation of Intelligent Laboratory Open Management System	631
	Ye Zhu	

82	An Improved Method for MRAC System of Indirectly Designed	639
	Huishan Han, Yan Liu, Defang Cheng, and Xue Gao	
83	Research on Maturity of Informationization and Industrialization Integration in Enterprise Based on Fuzzy DEA	649
	Jingmin Wang and Bo Dong	
84	Research on Restricted Nussbaum Gain Control Method	655
	Junwei Lei, Hongchao Zhao, and Guoqiang Liang	

Part IX Information Computing

85	Higher Mathematics in the Discuss of Application Teaching	665
	Xiufang Zhao, Xibin Wang, Xiaohong Zhai, and Zhenwei Han	
86	Analysis on Campus Culture Based on Grey Evaluation Method	673
	Li Zhang, Qilun Cai, and Jingxiang Ma	
87	A Study on Building Up the Interactive Teaching Mode for Higher Education	679
	Haiyan Hao	
88	The Study on Financial Risk Identification Based on Matrix Model	687
	Xiaowen Xing	
89	Application of Materials Technology in Advanced Mathematics Course	695
	Huaping Li and Jiang Huang	
90	Efficient Interest-Oriented Innovative Learning Method for Mathematics	703
	Junna Jiang, Zhiyuan Xu, and Bing Han	
91	Efficient Mathematics Teaching Scheme for Multi-Disciplinary Students	711
	Yan Yan, Chunfeng Liu, Dongmei Li, Yanjuan Zhang, and Yanhong Cui	
92	The Exploration and Practice of the Level Teaching of the Advanced Mathematics Courses for Arts	719
	Shujuan Yuan, Yankun Li, and Yafeng Yang	

Part X Web Service and Data Mining

93	Medical Research Based on SQL Server Database	727
	Jinguo Zhao and Qingyun Luo	
94	A Study of Data Mining Technology in Customer Relations Management	735
	Jin Li	
95	The Resarch of Appling the Fuzzy Clustering Means to Analyse the Stratum	741
	Junwei Fu, Xiaohong Zhai, Xibin Wang, and Zhenwei Han	
96	Construction of Pick-Up Points in China E-Commerce Logistics	749
	Junjie Xu, Ling Jiang, and Shizhen Wang	
97	The Application of Data Mining Algorithm in Grain Output Prediction	757
	Yu Fan	
98	Studies on the Key Technologies of the Intelligent Database in the Distance Education System	765
	Haibo Xu	
99	Research on the Design of Dynamic Browsing of Air-cushion Belt Conveyor Transport Monitoring System Based on Web . . .	771
	Yuefeng Fang and Xiaoyong Wang	
100	Research on the Method Information Extraction Based on Database Technology	779
	Yuanjun Zou	
101	Research on Regional Sustainable Development Based on Support Vector Machine	785
	Liu Yunzhong	
102	The Application in Sports Statistics Research Based on the SPSS Data Processing Technology	793
	Huannan Cao, Bin Gao, and Zhilong Zhao	
103	Data Security in Cloud Computing	801
	Liu Xueping	
104	Research on Subject Text Extraction from Web Pages	807
	Hongsheng Wang and Jingyu Gao	

Part XI Communication Technologies and Applications

105	Research on Secure Mode of E-business	815
	Huang Y. Hanyan	

106	Qos Based Data Access Control Method in the Campus Cloud Storage System	821
	Yanming M. Ye, Zhilin L. Feng, and Hong Ding	
107	The Research and Application of Multiple-Export Strategy Routing of Campus Network	827
	Yujun J. Ma and Shengbin B. Liang	
108	QOS Technique Research in the IP Switching Network	835
	Feifei Fang	
109	The Construction and Study on Wireless Digital Campus Network	841
	Pei Zhang	
110	Detecting DOS/DDOS Attacks Under Ipv6	847
	Jian Gao and Yingjun Chen	
111	On Feasibility of Three-Networks Convergence	857
	Yajun J. Liu	
112	Contention Window Adjustment Strategy for IEEE 802.11 WLAN	865
	Shujun J. Bi	
113	Improvement on QoS Routing for IEEE 802.11 Wireless Network	873
	Shujun J. Bi	

Part XII Computer Technologies and Engineering

114	The State Estimation for Falling Objects Based on Unscented Kalman Filter	881
	Ding Weifu	
115	Research on the Project Management Mode of Real Estate Based on the Partnering Model	889
	Shuping Zhao and Feiyue Wang	
116	Study on Enterprise Microblog Marketing SWOT Analysis and Marketing Strategy	897
	Yangyang Li and Ting Wang	
117	Principle Component Cloud and Its Application	905
	Tundong Liu, Jing Chen, and Hao Jiang	
118	The Study of the Emotional Thinking in the Product Design	913
	Chunxiao Cao	

119	Research on Key Technology of PDM Based on STEP	921
	Qihong Fan, Qun Wei, Baoxiang Liu, and Wensheng Shi	
120	EuP Order and Eco-Design	929
	Hongbing Xin and Qiang Huang	
121	Sleep EEG Staging Studies Based on Relief Algorithm	935
	Huaping Jia	
122	The Application in the Sports Teaching of Evaluation Based on Improved Markov Chain	941
	Xiangqi Wang and Xianfeng Wang	
123	The Composite Application of RFID and Two-Dimensional Bar Code in the Cigarette Counterfeiting	951
	Yuan Ya and Cao Le	
124	On the Knowledge Construction from the Perspective of Symbolic Learning	959
	Aiqun Zhang	

Part XIII Information Management

125	A Way for Forecast Occasion of Artificial Precipitation	969
	Guodong Li, Wenxia Xu, and Youxin Wang	
126	Analysis on Coupling Model of the Affecting Factors in Culture Industry	977
	Xiuyan Wang	
127	The Linkage Logic and Development of Information Technology and Culture Industry	985
	Ying Zhao	
128	Analysis on the Formation Cause and Characteristic of Yunnan Minority National Tradition Sports Based on the Influence Model and Dynamic Process Analysis	991
	Xuedong Li	
129	Research on the Least Square Method in Project Management	1001
	Deqiang Zhou	
130	Consumptive Innovation Oriented R&D Strategy for Jewelry Industry's Product Design Techniques	1007
	Jianjun Ren	
131	Value Paradox of Creative Industry and Its Management Strategy Planning	1015
	Yan Sun, Xiaojian Liu, and Wanliang Wang	

132	Game Analysis of the WTO Dispute Settlement	1023
	Shihui Yang and Ran Xu	
133	Research on Matter-Element Comprehensive Evaluation Method for Quality on Construction Project	1031
	Qili Su	
134	Chinese-Western Difference in Ethnological Characters' Order Pattern and Its Inspiration to Human Centered Management	1039
	Yan Sun	
135	The Structure and Application of Huge Closed-Loop System of Resources-Environment-Ecology	1047
	Lei Yan, Bo-Ren Luo, Yu-Zhong Ma, and Hui-Li Liu	
 Part XIV Multimedia Technology and Application		
136	Experiment Teaching of Remote Sensing Digital Image Processing with Visual C++ Programming	1057
	Y.D. Zhao, J.H. Dong, and B.Wu	
137	The Game of the Teaching in the Application of Information Technology Strategy	1065
	Hong Yan Wang and Qu Yong	
138	Design of Cooking Teaching Based on Multimedia Technology	1073
	Jifu Zhu	
139	Multimedia Information Technology Application in Image Retrieval	1081
	Lingyan Gao, Shumei Wang, and Jie Chen	
140	Image Processing Technology Based on LabVIEW Simulation System	1089
	Shumei Wang, Lingyan Gao, and Cuixuan Zhang	
141	On Formative Assessment System of Multimedia-Based College English Teaching	1095
	Lingyan Xiong and Jing Chen	
142	Research and Design on Information System of Project Management in Education Training	1103
	Tao Chen and Qingqing Wu	
143	Combination and Application of Multimedia Materials in the Teaching of Psychology	1111
	Yan Teng and Haiying Yu	

144	Application of Digital Video Materials During Production of English Multimedia Courseware	1119
	Yuqing Wang	
145	Investigation and Analysis of Network Learning Efficiency in Modern Multimedia Classroom	1127
	Ye Zhao and Wei Liu	
146	The Design of a High-Speed Image Acquisition System	1133
	Jie Chen, Ru Xue, and Qi Wang	

Part XV Network Systems and Applications

147	Design and Implementation of Digital Campus Platform	1143
	Huitao Zhang, Bo Feng, and Lijuan Zhang	
148	Efficient Abnormality Diagnosis Scheme on Network Security	1151
	Yunhong Guo	
149	Study on the Application of the Electronic Archives Management Technology Based on Virtualization Technology	1159
	Songchun Gong, Songyin Fu, and Zheng Chen	
150	Research on Contract Net Model Based on Role Collaboration	1167
	Kunqiong Li, Yuan Fang, Huali Tang, Xiao Liu, and Jishen Liang	
151	The Application of ASP.NET in Developing E-commerce Intelligent Ordering System	1175
	Feng Pan and Ping Lv	
152	A Reliable Braided Multi-path Routing Algorithm for Wireless Sensor Networks	1185
	Jian-Jun Lei	
153	Dynamic Test System for Real-Time Software Based on Multi-core Network Processor	1195
	Li Ting, Zhang Wu, and Chen Xiao	
154	Design and Application of Continuing Education Network Training Platform Based on Cloud Computing	1203
	Tao Zhang	
155	Research on Hopfield Neural Network in Associative Memory Storage	1211
	Li Tu and Chi Zhang	

156	Performance Analysis of Target Tracking for Radar Network in the Presence of Stand off Jamming	1217
	Shizhong Li, Guohong Wang, Jing Bai, and Wei Wu	
 Part XVI Software Engineering and Application		
157	Customs Risk Identification and Application Based on Set Pair Analysis	1229
	Guangce Ruan	
158	SOA Based Decision Support System in Locomotive Lean-MRO Practice	1239
	Minglun Ren and Huan Zhang	
159	Synchronization Between Two Novel Different Chaotic Systems with Unknown Parameters	1249
	Hui Wang, Jinyong Yu, and Junwei Lei	
160	Complexity of Full-Newton Step Algorithm for Linear Complementarity Problem	1255
	Xiaoyu Gong, Zhenpeng Hu, and Xianjia Wang	
161	Improved Hierarchical Topic Detection	1265
	Wei Wang, Mingyan Jiang, and Dongfeng Yuan	
162	Research on the Key Technologies of Storage Virtualization	1273
	Songchun Gong, Songyin Fu, and Zheng Chen	
163	Storage and Analysis of Simulation Data Based on ADO and Visual C++	1281
	Wei Wang	
164	An Algorithm for Maximum Transfer Times in Urban Public Transport System	1289
	Feng Zhao and Yundong Gu	
165	Research and Design of Flexible Job Shop Scheduling System	1295
	Jingmin Zhang and Xia Li	
166	The Effect of Expression Recognition on Facial Identity Recognition	1303
	Wangyang Hu	
167	Research on the Combination Rule Properties of Belief Function Theory	1311
	Jin Hongbin, Li Hongfei, Lan Jiangqiao, and Shao Yinbo	

Part XVII Education Information

168	Research on the Driving Force of Reform and CCDIO Engineering Education Mode	1321
	Zhen Hua Liu	
169	Research on the Basketball Teaching Mode Based on Self-Organizing Theory	1329
	Yao Fan, Lijia Jiang, and Lili Zhang	
170	Research on Education and Teaching Reform Based on Social Needs	1335
	Jun Dan	
171	Modes of Sports Management in Higher School	1341
	Yurong Wang and Yingjie Song	
172	The Research on Optimization Strategy of Sports Environment in University Under Cultural Construction Perspective	1349
	Renjie Song	
173	Vocational School Physical Education Reform Based on Professional Physical Demand	1355
	Xingfu Zhou and Yan Huang	
174	Application of the Subjectivity Teaching Method to the Tennis Teaching in College	1363
	Feng Zhao	
175	The Research on Lack of Faith of Credit Education Under the Popularization of Higher Education in Industrial Technology Condition	1369
	Xiaolin Xia	
176	To Lay More Emphasis on the Computerized Technology in College English Training in the Light of Vocational Ability	1377
	Li-Li Jin	
177	Researches on the Rationality of the Integration of the Pre-school Education and Compulsory Education System	1383
	Li Li	
178	Discuss to the Training Model of Excellent Engineer of Materials Specialty in the Local Colleges	1391
	Song Zhang, Yingpeng Li, Chunhua Zhang, Fang Hu, and Sanxi Li	

179	Research of Teacher Salary Incentive System in High School . . .	1399
	Xiaoqing Lu, Wenyi Zhang, Shuming Guan, and Ruyu Tian	

Part XVIII Control and Automation Technologies

180	Robust Passive Analysis and Control for Uncertain Descriptor System	1409
	Xueqin Zhou and Chunyan Ding	
181	Non-fragile Passive Control for Descriptor System	1419
	Cunyan Ding and Qin Li	
182	Impulse Radio Demodulation Scheme for Impulse Radio UWB Receiver	1429
	Xiangrong Zhang, Bo Wang, Xiaole Cui, Weibo Hu, and Chung Len Lee	
183	A Multi-modal Automatic Monitoring System Oriented Speech Service Quality of Call Center	1437
	Dongliang Dai, Xiaojun Li, and Bo Xie	
184	Design and Realization of OQPSK Modulation Circuit Based on FPGA	1445
	HongLi Zhu and Xia Sun	
185	The Design and Realization of Dynamic Vehicle Scheduling Management System	1451
	Yuan Yuan and Li Xiaoling	
186	Non-fragile Stable Control for Linear Systems	1457
	Haiyan Wang	
187	Chaos Control of a New Chaotic Dynamical System and Its Application	1465
	Qihui Zhong and Chunrui Zhang	
188	Attribute-Based Access Control Security Model in Service-Oriented Computing	1473
	Yongsheng S. Zhang, Mingfeng F. Wu, Lei Wu, and Yuanyuan Y. Li	
189	Study on Intelligent Vehicle Steering Control Algorithm Using SVM	1481
	Yuan Zhu, Xinxi X. Xu, and Youchun C. Xu	

Part XIX Information Computing

190	Bilingual Teaching Practice of Original Teaching Materials Application	1495
	Zhiying Liu, Yuegang Fu, Xu Di, and Hua Miao	

191	The Practice of Advanced Mathematics Teaching Quality Evaluation System	1501
	Wei Liu, Shixin Zhao, and Xianghong Li	
192	Discussion the Teaching Methods Reform on “Probability Theory and Mathematical Statistics” of Independent College	1507
	Xiaohong Liu, Qilei Feng, Yongli Zhang, and Yankun Li	
193	Study on Teaching Methods of Operations Research	1513
	Yanmei Yang, Yali He, Shiqiu Zheng, and Lijun Wang	
194	The Cultivation to the Ability of Teaching Math of Students in Primary Education Program in China	1519
	Xitao Feng	
195	R-Fuzzy Subsemigroups	1525
	Xiao-Ying Zhu, Zu-Hua Liao, and Cui-Yun Hao	
196	R-Generalized Fuzzy Completely Prime Ideals of a Ring	1531
	Zu-Hua Liao, Cui-Yun Hao, and Yun-Sheng Chen	
197	Boundedness Estimates to a Steady State Nonlinear Fourth Order Elliptic Equation	1539
	Bo Liang, Xiaoming Dai, and Meishan Wang	

Part XX Electrical Engineering and Mechatronics

198	The Aerodynamics Analysis on Sports Ball Under the Influence of the Speed, Rotation and Surface Roughness	1547
	Chunlan Li, Fei Wang, and Yuzhen Liu	
199	Research and Design of FPGA-Based Virtual Testing Instruments	1555
	Guili Han, Zhongxian Li, and Mingge Zhai	
200	The Teaching Reform and Practice of Thermal Energy and Power Engineering Specialty	1563
	Chao Zhang and Lei Liu	
201	Research of Major Basic Courses of Mechanical Engineering	1569
	Xuedi Hao and Qin Zhang	
202	Research on the Practice Teaching System for Electronic Information Innovative Talent Training	1577
	Xiaolong Zhu	

203	Studies on the Issues and Strategies of E-Commence Teaching in University at Present	1583
	DongXia Wang	
204	On Reform the Training Model Based on Electronic Design Competition	1591
	Xiao Luo	
205	Design a New Manufacturing Model: Cloud Manufacturing . . .	1597
	Juan Yang and Gang Guo	
206	Efficient Training Mode of Thermal Energy Power Engineering Based on Practice Evaluation	1607
	Chao Zhang and Lei Liu	
207	Research on Electric and Electronic Technology Teaching Reform for Non-Electric Professional	1615
	Xiaolong Zhu	

Part XXI Communication Technologies and Applications

208	Primary Synchronization Channel Design for OFDM Based Mobile Communication Systems	1623
	Changyin Sun, Jing Jiang, and Guangyue Lu	
209	The Concept of Free-Flow Information to the Regulation of Internet Activities in the United States	1631
	Fa-Chang Cheng and Wen-Hsing Lai	
210	The Risk Assessment Quantitative Research of WAMS Communications Network	1639
	Xiaorong Cheng and Ying Wang	
211	Synchronization of Super Chaotic System with Uncertain Functions and Input Nonlinearity	1649
	Hui Wang, Jinyong Yu, and Junwei Lei	
212	Mobile Internet Computing Architecture Based on Cloud Computing	1657
	Guoyong Wang and Wen Cui	
213	Study on Features and Imaging Technology of Mobile Internet	1665
	Songyin Fu, Songchun Gong, and Zheng Chen	
214	Efficient Block Retransmission for Reliable Data Delivery in Wireless Sensor Networks	1673
	Jian-Jun Lei	

215 The Research and Implementation of JavaEE in Telecom's CRM System	1683
Zhang Li	

Part XXII Computer Technologies and Engineering

216 Performance Analysis and Comparison on Chinese Word Segmentation	1691
Guowei Chen and Chi Zhang	
217 Modeling and Algorithm of Optimal Traveling Route	1699
Yanmei Yang, Jianyong Di, and Feifei Li	
218 A Game Analysis on Stakeholder Theory in Forestry Industry	1705
Hai-ling Guan, Yu-jun Sun, and Wei Huang	
219 Application-Oriented Sensitive Data Publishing Architectural Framework in Digital Libraries	1713
Yongcheng Luo, Shaomei Chen, and Yaqian Jiang	
220 Improved DEA Evaluation Models of IRTU Knowledge Innovation	1721
Lin-hua Bu, Xiao-feng Ju, and Xiao-hong Wang	
221 Research on the Relationship Between IRTU and Disciplines, Bases and Platforms	1729
Linhua Bu, Xiaofeng Ju, and Xiaohong Wang	
222 Research on Dynamic Reaction of Gaseous Formaldehyde Detector Using Empirical Mode Decomposition	1737
Ye Yuan, Yongzhong Wang, and Zheng Wu	
223 Research and Design of the Clustering System Based on the Column-Store	1745
Lijun Shen, Tao Zhang, Jinyu Song, Ping Chen, and Jinshuang Wang	
224 Study on the Application of Second-Order Cone Programming in HRTF Synthesis	1755
Tielin Liu, Cheng Zhang, and Yibo Wang	
225 Research on Teaching Methods of Operating System in Local University	1763
Xuemin Zhang and Zenggang Xiong	
226 Discontinuous K-Exponential Stabilization of Underactuated Nosymmetry Surface Vessel	1769
Xin Yuan, Xiaoxu Rong, Yan Wang, and Zhilin Liu	

Part XXIII Information Management

227	Application of Case Teaching in Management Class	1779
	Zhiyuan Li and Jingjing Quan	
228	The Research on Reconfiguration of Theory and Practice of PE Curriculum	1785
	Hong Gao	
229	Research on the Declining Honesty of Chinese Professional Athletes	1793
	Bo Jian and Qi Ying	
230	Research on University Students' Subhealth and Time Management Disposition	1801
	Shuai Chen, Gang Chen, Lu Chen, and Quanzhong Zhao	
231	Analysis of Factors Affecting Launching Sports in Sun in Colleges and Universities	1807
	Quanzhong Zhao and Hongjie Zhang	
232	Research on Social Value of Leisure Sports	1813
	Quanzhong Zhao	
233	The Management of Scientific Inquiry Teaching Process	1819
	Anrong Wang, Haiyan Huang, Yueshan Wang, and Chunjun Shu	
234	Research on Allocation Issues of Mass Sports Resources in Post-Olympic Period in China	1827
	Ping Sun, Rongfang Cao, and Xinyu Wu	
235	Research on Utilization and Development of Sports Equipments and Fields in Physical Education	1835
	Fang Huo	
236	Study of Performance Management in Medium-Sized and Small Enterprises	1843
	Guohua Chen	
237	Research on the Application of Polar Heart Rate Meter in the Football Training	1851
	Zhengyu Li	

Part XXIV Multimedia Technology and Application

238	The Function of Extreme Color Contrast in the Visual Image	1861
	ZhenZhen Wei	

239	Algorithmic Research Based on Image Segmentation	1867
	Ning Li	
240	Analysis on Poetry Meaning and of Music Style Based on Multimedia Technology	1873
	Jing Zhou	
241	Study on Experiment Methods of English Based on Multimedia Network	1881
	Fengxia Cong	
242	Research and Implementation of SIP-Based Video Conference System	1889
	Yujiao Wang, Haiyun Lin, and WanJun Yang	
243	A Novel Algorithm Based on SIFT and Graph Transformation for Mammogram Registration	1897
	Yang-jun Zhong and Lan-Zhen Chen	
244	Medical Fusion Image Quality Assessment Based on SSIM	1905
	Baohua Zhang	
245	The Research of an Image Retrieval Engine for Non-Standard Commodity Shopping	1913
	Hao Chen, Xiaojun Li, and Peiyou Han	
246	2D Texture Library Based Fast 3D Ink Style Rendering	1919
	Yubin Wang, Meijun Sun, Zheng Wang, and Shiyao Wang	
247	A Novel Low Illumination Image Enhancement Algorithm	1931
	Lijuan Wang and Jiansheng Qian	
248	An Image Encryption Algorithm Based on Josephus Traversing and Position Disordering	1941
	Jianjun Wu and Li Tu	

Part XXV Network Systems and Applications

249	Research and Development of Centrized Log Management System Based on Syslog Protocol	1949
	Hu Hui and Linfeng Bai	
250	Integration of Digital Campus Resources Based on Cloud Computing	1957
	Nan Ma, Mei Yuan, and Guoliang Cao	
251	Study of Credit Risk Management in Consumer Credit Based on Network Organization	1965
	Shi Qiao	

252	Research of Intrusion Detection Based on Clustering Analysis	1973
	Mingjun Wei, Lichun Xia, Jianguo Jin, and Chen Chen	
253	Personalized Information Recommendation Based on Network Bookmarks	1981
	Xingyuan Li	
254	Study on Events Composition Network Based Agent Perception Model	1989
	Jing Wang and Dawei Chu	
255	Selective Quality Routing Algorithm Based on Dynamic Programming in Wireless Mesh Networks	1997
	Yingying Qin, Qianqian Zhang, Shaofeng Wang, and Jinfeng Li	
256	One Kind of Remote Monitoring Network Design Based on Open CNC System	2007
	Changzhong Wu, Shukun Cao, and Yu Meng	
257	Study on the Application of Wireless Application Protocol in the Electronic Commerce Secure Payment	2015
	Weixi Sun	
258	Research on Identification Scheme in Digital Campus Construction	2023
	Lijuan Zhang, Xiaojing Liu, and Bo Feng	
 Part XXVI Software Engineering and Application		
259	Stock Prices Prediction Research of BP Algorithm	2033
	Ying Yang and Gengyuan Chen	
260	The Design and Implementation of Digital Signature System Based on Elliptic Curve	2041
	Bin Chen, Wenliang Wu, and Yao Zhang	
261	Knowledge Representation of Nature Language Understanding System Based on Concept Model for Intelligent Tutoring System	2049
	Yatao Li, Ke Zhao, Kai Li, and Peitao Cheng	
262	Study of Blind Adaptive Beamforming Method for Multiple Sources Based on Genetic Algorithm	2057
	Yanwu Liu	
263	A Quantitative Study of English Learning Motivation of Vocational College Students	2065
	Ronggen Zhang	

264	The Logarithmic Utility of Transaction Costs and the Selection of Dynamic Investment Portfolio	2073
	Zhengang Lu	
265	An Approach to Anomaly Detection for Data of Uncertainty	2081
	Bo Liu, Yanshan Xiao, Yun Zhang, and Zhifeng Hao	
266	Efficient Balance Scheme of Effectiveness and Efficiency of Information Retrieval	2089
	Wen Cui and Guoyong Wang	
267	Codeword Search Based on Genetic Algorithm	2097
	Shuang Xu, Yanqiu Cui, and Jifeng Ding	
268	License Plate Location Algorithm Based on Multiresolution Edge Detection	2103
	Zhang Baohua and Gu Yu	

Part XXVII Education Information

269	Study on Higher Education Quality Evaluation System of Local Universities	2113
	Peixin Zhao	
270	Research on Quality Enhancement of Talents Cultivation	2121
	Lei Zhang and Jiake Wang	
271	Sports Club-Based Teaching Reform	2127
	Jianyong Di, Kailei Xi, and Xiaofeng Xu	
272	Research of Modern Higher Education Based on Practice and Development Evaluation	2133
	Tingyan Bi	
273	On Information Literacy for the University Foreign Language Teachers in China	2141
	Xiaochi Zhang	
274	Innovative Talents Training Strategies Based on Off-Campus Practice Environments	2149
	Jianli Dong	
275	Multimedia Approach: Its Effectiveness in Improving the English Language Proficiency of College Students	2157
	Peilong Li	
276	Analysis on the Evolution Mode of Social and Cultural in Network Era	2163
	Xiaoyan Jia and Jichuan Rong	

277	Research on Role Change of University Library in Information Era	2169
	Shimin Xing	
278	Analysis on the Sports Cultural Industry Based on the Analysis Technology of SWOT	2177
	Xuedong Li and Junheng Li	
279	Research on Ideological and Political Education in Colleges Based on the Network Environment	2183
	Caixia Zhang	
280	The Construction of Campus Safety Culture Based on the Information Technology	2191
	Shenggui Liu	
281	Efficient Interscholastic Collaborative Scheme Based on Information Technology	2199
	Bo Shu	
 Part XXVIII Information Computing		
282	Long Time Behavior for Some Higher Order Partial Differential Equations	2209
	Bo Liang, Xiaoming Dai, and Jinghua Gao	
283	Positive Steady State Solutions to a Nonlinear Fourth Order Elliptic Equation	2217
	Bo Liang, Linghua Kong, and Fuming Huang	
284	Data Mining in Local Government Performance Evaluation: A Way to Get Out of the Action Plights and Deadlocks in China	2223
	Shang Huping and Yin Yanhong	
285	An Efficient Approach to Boost Support Vector Data Description	2231
	Bo Liu, Yanshan Xiao, Yun Zhang, and Zhifeng Hao	
286	A New Interpretation on the Limit of a Sequence	2239
	Fangjie Cheng	
287	An Effective Variable Step Method Based on Implicit Tuned Taylor Series Method	2245
	Huankun Zheng, Xianrong Chang, and Yaoqin Sun	
288	Teaching Reform of Discrete Mathematics in Local University	2253
	Xuemin Zhang and Zenggang Xiong	

Part XXIX Electrical Engineering and Mechatronics

289	Analysis on Realizational Phenomenon of Electronic Sports	2263
	Yanhua He, Feng Tai, and Guowen Cui	
290	Study on Factors of Business Decision in Thermal Power Enterprise Based on Principal Component Analysis	2273
	Shuliang Liu and Pengliang Hao	
291	The Application BP Neural Network Improved and Fuzzy Quality Synthetic on Thermal Power Company Simulation Decision	2281
	Shuliang Liu and Pengliang Hao	
292	Research on the Practice Teaching for Architectural Environment and Equipment Engineering	2287
	Lei Cui	
293	Application of Materials Technology in E-Commerce Operation Course	2293
	Chen Ming	
294	Study of “Logistics” Course Reform for Applied Talents Training	2299
	Zaiqiu Gu and Qingwei Zhu	
295	Study on Relationship Between the History of Physics and Physics Teaching	2307
	Yao Zhang, Delan Wu, and Wenliang Wu	
296	The Application of Sports Biomechanics in Teaching	2317
	Zhengwei Zhou	
297	Research on the Demand Side Management Under Smart Grid	2323
	Litong Dong, Jun Xu, Haibo Liu, and Ying Guo	
298	Research on Development Trends of Power Load Forecasting Methods	2331
	Litong Dong, Jun Xu, Haibo Liu, and Ying Guo	

Part XXX Web Service and Data Mining

299	Improved TZsearch Fast Search Algorithm for JMVC	2341
	Fuwang Li, Chun Yuan, and Qingming Liao	
300	Study on Financial Data Hybrid Clustering Based on Stock Trading Rule	2351
	Jian Huang	

301	Analysis on Competitive Sports Based on the Data Mining Technology	2359
	Wei Li	
302	The Psychology Analysis on the Page Design of Shopping Website	2367
	Haihong Li and Guangtao Zhang	
303	Data Mining in Mobile Social Network from SMS Messages	2375
	Xiaobo Gao and Xianmei Fang	
304	Decision Rules Extraction for Decision Support System with Support Vector Machine	2383
	Bo Liu, Yanshan Xiao, Zhifeng Hao, and Yun Zhang	
305	Crowd Evacuation Simulation in Multi-Agent Based Virtual Environment	2391
	Linqin Cai, Zhenhua Zhang, Yuyou Pan, and Na Wang	
306	Research on Intelligent Recommendation System of Teaching Based on Web	2399
	Jixun Gao and Zhang Lishuo	
307	Query Planning with Source Descriptions for Deep Web	2405
	Guanwen Zhu, Nianbin Wang, Hongbin Wang, and Zhijun Wang	
308	A Faithful Translation from Relational Databases to Description Logic	2415
	Huali Tang, Xiao Liu, Jishen Liang, and Yuxia Lei	
309	Web Data Mining Based on Cloud Computing	2421
	Liangfei Xue, Dongfeng Yuan, and Mingyan Jiang	
310	Construction of Personalized Network Learning Resource Service System Based on Semantic Web Services	2431
	Zhujuan Li	
	Index	2439

Proceedings of the 2012 International Conference on
Cybernetics and Informatics

Zhong, S. (Ed.)

2014, LXIX, 2455 p. 567 illus., Hardcover

ISBN: 978-1-4614-3871-7