

Contents

Part I Information Security and Applications

1 Stochastic Insuring Critical Path Problem with Value-at-Risk Criterion.	3
ZhenHong Li, YanKui Liu and WenJuan Zang	
2 Research on Classification of Highway Emergency Telephone System.	11
Xu Jia, Yuxin Liu and Liwei Zhu	
3 Semantic Analysis Model of Chinese MMT Based on Hierarchical Network of Concepts in Chinese-English Machine Translation.	19
Wen Xiong and Yao Hong Jin	
4 Study of University Students' Psychological Warning Prevention and Control Based on Automatic Control.	27
Jie Liang	
5 Research of Toxic Gas Diffusion Simulation Technology Based on Arc Engine	35
Qing-long Zhang, Yi-ru Dai, Jiang Wang and Rong-yong Zhao	
6 Network Security Evaluation Based on Support Vector Machine	43
Xiang Chen and Yun Li	
7 Study on Nursing Safety and Quality Management	51
XiuFen Ma, Qingling Han, Lichun Zhou and Ying Hu	

8	Study on Monitoring Mechanism of Micro-Blog	61
	Yu Chen and Ming Xu	

Part II Intelligent Evolutionary Algorithm

9	Knowledge Extension for Agent Learning in MAS.	71
	Zhiling Hong and Meihong Wu	
10	A Survey of Cloud Computing	79
	Yadong Gong, Zongquan Ying and Meihong Lin	
11	Electric Power Client Credit Assessment Based on GA Optimized BP Neural Network	85
	Xinli Wang	
12	Study on Gaussian Priory Model for Space Time Adaptive Processing	93
	Jiamou Wang	
13	Three-Dimensional Finite Element Model of Human Dent Facial Complex	101
	Yi Deng, Xiaorong Zhang, Ji Yao and Haipeng Zhou	
14	Study on Dynamic Prediction of Surplus Gas in Iron-Steel Plant	111
	Jun Song, An-chao Zhang and Hai-kun Zheng	
15	Study of Talent Resources Agglomeration During the Industrial Transformation and Upgrade	119
	Xiaoxu Cai and Jia Zhang	
16	Study of the Food Supply Capacity in Chengde.	129
	Yuecong Zhang and Fu-Wei Cheng	
17	Modeling of Three-Dimensional Dynamical Behavior of Ropes Used in Fishery Based on R Language	139
	Yuwei Li, Xinfeng Zhang, Xiaorong Zou, Min Zhang and Yingqi Zhou	

Part III Information Management and Applications

18 Study on Specific Enzymes in <i>Actinidia Arguta</i> Fruit Softening. . .	149
Shuqian Li, Changjiang Liu, Guang Xin and Bo Zhang	
19 Cross-Cultural Communication in International Business Activities	157
Guoqiang Liao	
20 Study on China's Social Value in the Period of Transition.	165
Ying Tong	
21 Study on Locational Choice of FDI in the Middle Areas	173
Yu Liu	
22 Study on Rural Social Security on Local Residents Developmental Consumption.	179
Dan Li and Yingyao Wang	
23 Study on Modern Service Industry Based on the Industrial Cluster	189
Xiaozhong Bai and Jing Hu	
24 New Model of Logistics Development	195
Fu Rong Xiong	
25 Study of Protection of Water Environment in the Three Gorges	203
Yanfang Zhang	

Part IV Innovative Education and Applications

26 Research of Core Strength Training in Taekwondo Training	213
Mingming Guo	
27 Experimental Study of Tai Chi Competitive Push Training of Sanda Players Combat Ability	221
Hai Yu	
28 Study of Basic Qualities of Good Coaches	231
Xiang Zhang	

29	Research on College Sports Dance Lesson Teaching	239
	Xuekai Liu	
30	Study on Olympic Thinking of Physical Education of College Students.	247
	Xuekai Liu	
31	Study on Ball Serving Techniques of Young Tennis Players.	255
	Chengguo Wang	
32	Management Model of High-Level Athletes in General Colleges and Universities	263
	Yikun Xu and Juhua Song	
33	Study on College Sport Curriculum Evaluation Based on Network System	271
	Feng Zeng	
34	Research on Agricola Leisure Sports Under Business Ecosystem	277
	Tiexiong Zhang and Hongmei Wen	
35	Research of University PE Cultivation of Innovative Talents	283
	Shengmin Cao	
36	Study of the Fitness Status of Teachers in Higher Vocational Colleges	291
	Wankai Fu	
37	Research of Analytical Framework of the Effect on the Athletes by Complex Social Network	301
	Qian Huang and Xiaoli Zhang	

Part V Sustainable Education Management

38	Study of Stick Figures Teaching Skills for English Major Students	311
	Wei Min	
39	Reform of College Advertising Teaching	321
	Ying Guo	

40 Curriculum Development of Comprehensive Training in Import and Export Business in Higher Vocational College. . . .	331
Yuying Zhu	
41 Study of Undergraduate Tutorial Teaching System	339
Qianqian Yang, Wanqiu Cui, Yan Xiao and Ying Meng	
42 Research on Vocabulary Learning Strategy Training on Top-Level Students of Non-English Majors.	347
Jing Li and Shouyu Sun	
43 Course Provision of Teacher Education Innovational and Technology Normal College Analysis	353
Zhongming Gao and Xiaoqin Guo	
44 Study of Elements of Developmental Classroom Teaching Evaluation.	363
Honglin Peng, Xuimin Zeng, Qianqian Yang and Zhenyi Wan	
45 Study on Using Incentive Theory to Improve the Efficiency of Fiscal Funds' Usage	373
Duanlian Peng	
46 Performance Evaluation of Special Funds Based on Budget Management in Colleges and Universities	381
Hua Han and Zhongwei Sa	

Part VI Knowledge Management Engineering

47 Research of Normalized Role of Law in the Field of Governing School Affairs Legally	391
Na Wang, Junqiang Song, Yanpeng Ning, Yan Xiao and Xin Gao	
48 Improved Reading Scheme for Engineering Students.	399
Lianwei Lu	
49 A Model of Protocol for Automated Negotiation System	407
Kexing Liu	
50 Economic Theory Analysis on the Unique Development of Private Colleges and Universities	413
Ran Li	

51 Research of Tourism Showtime Products in the Urban Tourism Development.	421
Ling Guo, Di Zhu and Xiaorong Wang	
52 Innovation of Souvenir Design of Red Museums in Jiangxi Province.	429
Liqin Ji	
53 Study on China's Rural Bank Credit Risk Prevention	437
Jinli Kang	
54 Empirical Analysis of Stock Futures Arbitrage	445
Chang Li	
55 Study on Preschool Children's Nutrition Influencing Factors	453
Shuqian Li	
56 Study of Interpretation System in Pingle Ancient Town.	459
Changtai Lu and Dezhi Wang	
 Part VII Green Management Engineering and Applications	
57 Strategies for Colleges and Universities to Train the Art Design Personnel Based on Market Demands	469
Wenkai Xing	
58 Adaptation of Foreign Language Education in Higher Education System.	477
Lin Li	
59 Study on Obstacles Encountered by Higher Vocational Colleges in Order-Oriented Education Mode.	483
Jianhua Tan	
60 Study on Hotel IEQ Based on the Theory of IPA	491
Yan Hu, Zhong Hong Sheng and Yin Shi	
61 Evaluation System of Tutorial System Based on Balanced Scorecard	499
Jing Li	
62 Study of Low-Income Housing System in China	507
Qun Gao	

63 Study on Development of Local Colleges	515
Mei-liang Xiao	
64 Study on Demand for Foreign Language Professionals in Economics and Trade	521
Xuemei Sun and Zhonghui Jia	
65 Study on Intercultural Teaching for EFL Teachers in China	527
NianLiang Ding	

Part VIII Communication Technology and Applications

66 Multidimensional Evaluation Platform for Call Center Speech Service Quality Based on Keyword Spotting	535
XinYu Zhou, DongLiang Dai, Bo Xie and XiaoJun Li	
67 Wireless Node Design in Smart Home System	545
Baorong Zhan and Xichang Yu	
68 Study on Weak Signal Detection Methods	553
Shikun Zhu	
69 Study on Theory of Signal and System in Modern Communication Technology	561
Yandi Li, Zheng Ma and A'hui Yang	
70 Algorithm of the Realization of High Frequency Channel Simulator Based on Simulink	569
Yandi Li, Yu Chen and Xun Zhang	
71 Fast Handover Scheme Named ESMIPv6 for Mobile Wireless Network	579
Liqiu Pei and Lixun Zhu	
72 Physical Layer Network Coding Transmission Technique in Unidirectional Linear Flow Networks	587
Kaiming Qu and Peilu Fu	
73 Performance Analysis of Mobile Communication in Picocell and Femtocell	595
Lili Tang	

74 A Network Connectivity Preventing Disruption Algorithm Based on Agents	603
Lin Yang	
75 Study of Proxy Re-cryptography in Group Key Management for Group Communications System	611
Qichen Wang	
76 Incompatibility Between WCETT Route Metric and Flooding Control of AODV in Wireless Mesh Networks	619
Bin Zhu, Junguo Liao, Yong He and Zhigang Li	
77 System Capacity of Unorganized Co-channel AP in High Density Area	627
Jiansen Zhang and Sheng Zhang	
78 Study of TD-SCDMA Employing Virtual MU-MIMO	635
Yang Zhang, Jian Bo Hu and Li Yan	

Part IX Mathematical Computation

79 Reliability and Validity Evaluation Based on Monte Carlo Simulations in Two-Stage Cluster Sampling on Sensitive Question Survey	647
Zongda Jin, Hongru Zhu, Qiaoqiao Du, Xiangyu Chen and Ge Gao	
80 Study on Suitable Exception of National Anti-Monopoly Law Based on Economics Curves	655
Xia Yue	
81 Identifying Method of University Poor Students Based on Ethics and Score Statistics of Index Weight	663
Linlin Li and Dongchao Jia	
82 Research on Relationship Between Prefabricated Chunks and Expression Quality Based on Mathematical and Physical Statistics	671
Chunyan Luo	
83 Study on New Teaching Pattern of College Music Art Major Based on Equations of Mathematical Physics and Statistical Regularity	679
Yiwen Zhu	

84 Distributed Computing Method Based on Mathematical Morphology	687
Yanbo Wang	
85 Study on Rural Residents Income Growth Based on Quasi-Stepwise Regression Model.	695
Lingbo Cong and Jihua Cai	
86 Encryption Based on Encoding Partial Algorithm	705
Lei Liang and Maoyan Fang	
87 A Pharmacokinetics Parameter Estimation Mathematical Model Based on Grey Theory	711
Jiamou Wang	
88 Study on the Mathematics Course Teaching Model Combining Majors and Strengthening Application in Higher Vocational Colleges	719
Haifei Xiang	

Part X Multimedia Technology and Applications

89 Study of Primary and Secondary Online Schools Based on ASP and PPT Producer Technology	729
Ning Zhang	
90 Study of Humanistic Education on English Majors Based on Multi-media Network Teaching	735
Xiaohong Wang	
91 Study of Course Resource Construction and Innovation in Distance Education.	741
Feng Wang	
92 Research Online Sports CAI Teaching	747
Hua Zhang	
93 Study on the Integration of Information Literacy Education and PBL Teaching	755
Tian Min Sun, Bai Chun Yao, Jin Cheng He, Ping Chen and Jun Wang	

94	Efficient English Teaching Scheme Based on Multimedia	763
	Pingping Liu	
95	Study on Teaching Reform for University Computer Information Technology Curriculum	769
	Bin Zhang	
96	Study on Integrated Problem Centered Higher Education System Based on Information Technology	775
	Wen Ying Li	
97	Study on the School-Enterprise Cooperation Teaching Model for Digital Media Major in Scientific and Engineering Programs	783
	Li He, Hai Cao, Yun Deng and Changyou Fu	
	Author Index	791

Proceedings of the 2nd International Conference on
Green Communications and Networks 2012 (GCN
2012): Volume 3

Yang, Y.; Ma, M. (Eds.)

2013, XX, 796 p., Hardcover

ISBN: 978-3-642-35469-4