## **Contents**

Based on the Profit Forecast  Xia Li, Fanxing Kong, Yingbo Qin	1
The Empirical Study of Firm's Social Capital and Technology Innovation Ability	9
Discussion of Improving Student Ability through Electro-hydraulic Experiment	17
Method Study on Demarcation Line of Professional Qualification Attainments	25
Teaching Reforms and Practice on Applied Undergraduate Course of Computer Organization and Architecture	33
The Aided Teaching System Based on Web for Engineering Blasting	39
Web-Based Inquiry of Autonomy in Foreign Language Learning as a English Major in Higher Vocational College	45
Design and Implementation of Electronic Experimental Platform in General Technology Courses  Ying Li, Lianmin Hu	49
Web-Based ESP Teaching in Higher Vocational College	55



Network Video Teaching Based on Learning Autonomy Taking Computer Teaching in the University as Example	59
Exploration and Reform on Programming Course for Non-computer  Majors	65
On the Cultivation of Job-Hunting Competitiveness of Students in Logistics Department—Chongqing Jiaotong University in Case	69
The Scientific Research of Independent Colleges' Actuality and  Foreground	75
The Research and Design of Personalized Teaching Platform Based on Knowledge Relations Network	83
Reform and Exploration of Sample of Mechanical Engineering Teaching Team Based on the Integration Concept	91
Service Type Recognizing Arithmetic in WCDMA Iur Interface Implementation	97
A Method for Developing Software Based on Role Modeling and RSI Fang Cheng	103
A Study of the Effects of "Management" Bilingual Teaching on English Proficiency and Subject Knowledge	111
Practical Teaching Design of Basis of College Computer Engineering Based on Blended Learning Model	119
Principal Problems & Counter-Measures Existing in Interactive Teaching Mode for Basis of College Computer under Internet Environment	125
400m Running Training Methods and Means of Track and Field Athlete Guangzhi Huang	131
Research and Practice on the Blog-Assisted Audit Teaching	137

Contents	XI
The Relation between Magnetic Field Strength and Ultraweak Luminescence	143
The Application of Virtual Reality Technology in Teaching Reform Lin Xiaoying, Su Xianbo	149
The Analysis and Research of the Recultured of the Computer Application Ability of Sports Master in China	157
Research of PCF for Real-Time Multimedia Services in WLAN	163
The Reform and Research on the Teaching of Microwave Technology $Xing\ Xu,\ Yue\ Xuejun,\ Lin\ Tao$	171
The Design of 2.4GHz Microstrip Band Pass Filter	177
A Report on Cognitive Processing of Chinese Characters between Hearing-Impaired and Normal Children	185
On the Development and Prospect of Multimedia Assisted FL Learning in China	189
Integration with JavaEE Framework to Build Tourism E-business  System	197
Evaluating and Enhancing the Performance of Streaming Media Services in E-learning System	205
Strategy of Reform and Recommendations of Practical Teaching of Mathematical Modeling and Mathematical Experiments Courses Zhaodi Xu, Xiaoyi Li	213
Application of Image Simulation of Arc Characteristics in Low Voltage Miniature Circuit Breakers	221
A Hybrid Item-Based Recommendation Ranking Algorithm Based on User Access Patterns	225
<b>Environment Settings in College Computer Room</b>	235

Tomato	239
Yuanhong Xie, Benzhong Zhu, Yunbo Luo, Xiangning Chen, Hongxing Zhang	
Discussion and Design of Synthetically Computer Network Experiment Scheme	249
Study on Learning Performance Evaluation of Distance Continuing  Education	255
Research on the Training Mode for Applied Personnel in General Colleges and Universities	261
Management of Using Efficiency of Large-Scale Equipment	269
The Factors Affect Middle School Sports Curriculum Reformation and Its Countermeasures Study	275
Advanced Vocational Colleges' Online Evaluation System of Teaching Quality Based on AHP	281
<b>Development of Dual Educational System of Germany in China</b>	289
Research on Nonlinear PID Control of Digital Governor for Diesel Engine	295
A Novel Method for Modeling and Simulation of Brushless DC Motor with Kalman Filter	305
A Design and Applied Study of Substituted Middle School Teachers' Training Modal on the Basis of B-Learning—A Case Study of Educational Technology Training	315
Study on the Impact of Individual Heterogeneity on Human Resource  Development Needs	325

Contents	XIII
A Method for Permanent Magnet Synchronous Motor Control Based on Single-Loop SVPWM	333
Create a Practical Teaching Environment for Applied Talents—Take the Case of Computer Specialty	343
Probe into Structuring Six-Dimensional System for Educating and Cultivating College Party Members	349
The PE Teaching in Higher Education Based on the Integration of the Information Technology and Curriculum  Liu Daduo, Zhang Xianhui, Li Rongwei, Gao Chao, Liu Xiangfei	355
Time Delay Dynamic System Model Identification of Hot Rolling Mill Based on an Improved PSO Neutral Network	361
Reform and Practice in Engineering Mechanics Teaching for Wood Science and Engineering Major	369
Psychoanalysis and Educational Countermeasures for the Fickleness of College Students Learning	377
The Application of Mordern Information Technology in University Daily Management	385
Review on Innovative Practice Teaching and Its Quality Evaluation System for Software Engineering Specialty	389
The Curricula Building for Information Management and Information System Major Siqing Luo, Ke Liang, Jing Wang	399
Assessment of Intellectual Capital Efficiency in China Transportation Equipment Manufacturing Companies: Using DEA	405
The Research on Anchor Ratio of Test Equating Design	413

Research of the Intentional Forgetting Ability Training for Engineering Students	419
Wei Zheng, Qi Lu, Rongrong Cui	117
The Analysis and Exploration of Education Pattern on the Student's Public Morals Quality in Vocational Colleges	425
A Discussion of the Prospects of the Short Pimples Out Style of Fast Attacking Penhold Grip Play	431
Sustainability Assess of Wind Energy Project Based on Improved BSC-Hierarchy Model	435
The Economic Evaluation of the Wind Power Projects Based on the Cloud Model	443
Development of Shared Interactive Coursewares Based on ActiveX  Controls	449
The Teaching Problems in Fashion Buyer Course and Their Proposed Solutions  Junying Zhang	453
The Exploration of the Mechanical Transmission Teaching in the Machine Design Course	459
Research on Application of Multimedia Teaching over Literature  Classroom	46:
"Post-Financial-Crisis Era" The Countermeasures for Promoting the Graduates Employment in Universities	47.
The Problems and Suggestions on College Teacher's Educational Technology Training in China	479
Applications of Modern Educational Technologies in Higher Arts  Education	48

Research on the Training System of the Programming Ability for Applied Talents	495
Model Design of Achievement Pre-warning in High Education Based on Data Mining	501
The Research of a Cooperative Model Intrusion Detection System  Zhu Qiang, Shun Yuqiang	507
Particle Filtering Method for Source Localization in Wireless Sensor Network Yong Zhang, Li Wang	517
A Novel Reputation Model Based on Subjective Logic for Mobile Ad Hoc Networks	525
A Distributed Deployment Algorithm with Mobile Sensors in Wireless Sensor Network	533
A Group Based Context-Aware Strategy for Mobile Collaborative Applications	541
Multi-agent Negotiation with Fuzzy Logic in E-Commerce Zuo Bao-he, Sun Yu	551
Interactive Visualization of 3D Segmented Data Sets Using Simplified LH Histogram Based Transfer Function	563
Design of Fingerprint Access Control System in Intelligent Community	571
Exploring Data Prefetching Mechanisms for Last Level Cache in Chip Multi-Processors	577
Current Research on the Fitness Coaches's Job Satisfaction in Hubei Feng-zhen Qin, Daping Wang	585
Fault Diagnosis of Ball Bearing Based on Energy Feature and Research of Intelligent Classification Method	591
Advanced Modulation Schemes Based on BICM-ID for FM IBOC Fang Weiwei, Li Jianping, Cai Chaoshi	599

Research on Fault Diagnosis of CT Scanner Based on Probabilistic	607
Neural Network	607
An Improved Non Data Aided Carrier Frequency Offset Estimation Algorithm for OFDM Systems	613
Can Strategic Trade Policies Improve Comparative Advantages of Exports? A Heterogeneous Panel Analysis of Chinese Agro-Based Manufactures	621
Adaptive Equalization Using a New RLS Algorithm Combined with the Coordinate Descent Method	631
An Improved CUSUM Algorithm in Cognitive Radio	639
The Research on Subject Database Division Based on Entity Similarity Hongjun Zheng, Jinli Peng, Duo Wang	645
A Extension to Triangular Projected Iterated Function System	653
An Evaluation Approach to the Normativity of Handwritten Chinese Character Based on Vector Cross-Product	661
Study on Inherent Mechanism of Strategic Transformation Capability Tang Jianxiong, Huang Jianbo	669
Adaptive Neural Network Applications in Ship Motion Control	675
Research and Practice of Bilingual Teaching for Electrical and Electronic Technology	685
Research on How to Optimize the Structure of China's Foreign Reserve Ma Jie, Li Lei	693
Model Checking Web Applications Based on Web Navigation	703
ESPRIT-Based Joint Angle and Frequency Estimation Using Multiple  Delay Output	713

A GAF Algorithm of Dislocated Grid for Wireless Sensor Network	72
An Improved Code Modulation Scheme Based on BICM for IBOC-FM Song Yang, Li Jianping, Cai Chaoshi, Yang Wei	729
An Improved Spatial Division Multiplexing of STBC Scheme Based on BICM	737
A Traffic Light Detection Method	745
VRLA Battery Management System Based on LIN Bus for Electric	
Vehicle	753
Analysis of a Ka-Band Phase-Shifter Using Distributed MEMS Transmission Line Structure	765
File Protection System Based on Driver	773
A Miniaturized UHF RFID Reader Antenna	78
A Good Anti-robust Algorithm with Map Watermarking	789
An Information Retrieval Methods Based on the Sample of Feature	
Extraction	795
Use Case-Based Service-Oriented Analysis and Modeling	801
Performance Study for Java Virtual Machine in Embedded Systems Liu Wenjun	807
A Study on Influence of Design Pattern in Shared Memory Multiprocessor Application	813
Land Quality Comprehensive Evaluation on Land Consolidation of  Discrepancy Topography	819

## XVIII Contents

The Effect of a Ratings-Based Approach to Measuring Corporate Social Responsibility	829
Equilibrium Price and Remark on Welfare in Electronic Commerce Jun Ma	839
Equipments Requirement Forecasting Analytical Model of Air-Defence Brigade Considered RMS Factors	849
Design of Wireless Monitor System Based on CC2430 and GPRS	857
A Novel Method of Multi-view Virtual Image Synthesis for Auto-stereoscopic Display	865
Binding Mechanism of a MN's Multi-interface Sharing a Unique Network Prefix on PMIPv6	875
Author Index	883