Contents

Study on Detection Technology of Load Waveform Based on Fuzzy Pattern Recognition	1
On the Analysis of Speciality Construction and Development in Independent Institute	7
EVA and DEA, Which Is Better in Reflecting the Capital Efficiency?	15
Research on the Impact of VAT Transformation on Investment in Fixed Assets and the Performance of Listed Companies in Northeast China	25
Design and Implementation of Tracking System for Dish Solar Thermal Energy Based on Embedded System	31
An Alternating Simultaneously Minimizing Diagonal Matrix Error and Covariant Matrix Error Trilinear Decomposition Algorithm for Second-Order Calibration	39
Indoor Comfortable Environment Self-adjust System Based on Microchip EM78F668N	47
High-Gain Stacked Minkowski Fractal Patch Antenna with Superstrate for 60GHz Communications	53
Embedded Control System for Atomic Clock	61



Green Supply Chain: Comparative Research on the Waste Printing Plate of the Computer	69
Tree-Mesh Based P2P Streaming Data Distribution Scheme	77
The Transform of the National Geographic Grids for China Based on the Axial Minimum Enclosing Rectangle	85
A Dual-Decomposition-Based Resource Allocation for the Data Transmission in the Internet	93
Distributed Electronic Evidence Forensics Laboratory Design and Practice That Based on High-Speed 3G and Cloud Computing Model	101
Research on Indoor Positioning Technology Based on RFID	109
Virtual Polarization Technology in Adaptive Polarization Radar System Xi Su, Feifei Du, Peng Bai, Yanping Feng	117
Applying Fourth-Order Partial Differential Equations and Contrast Enhancement to Fluorescence Microscopic Image Denoising	123
Design of Programmable Laser Receiver Signal Simulator	129
Fault Current Limit (FCL) Technology (Magnetic Valve Controlled Reactor-Type Fault Current Limiter Principle and Simulation)	135
The Scattering from an Object below 2D Rough Surface	143
Moving Target Localization Based on Multi-sensor Distance Estimation Zhao Wang, Chao Zhang, Zhong Chen	151
A Wavelet Transform Based Structural Similarity Model for Semi-structured Texts	159
Performance of Adaptive Modulation with Space-Time Block Coding and Imperfect Channel State Information over Rayleigh Fading Channel Xiangbin Yu, Yuyu Xin, Xiaoshuai Liu, Xiaomin Chen	169

A Spectrum Allocation System Model of Internet of Things Based on Cognitive Radio	177
Low Cost Dual-Basis Multiplier over $GF(2^m)$ Using Multiplexer Approach	185
Multi-precision Indoor Location System Based on Ultrasonic and ZigBee	193
A Trust-Third-Party Based Key Management Protocol for Secure Mobile RFID Service Based on the Internet of Things	201
The Smart Home System Design Based on i.MX51 Platform	209
Study of Self-optimizing Load Balancing in LTE-Advanced Networks Zhengrong Xiao, Yaoxu Zhang, Zhaobiao Lv	217
Research on the Methods of Similarity Measures between Vague Sets	223
A Signal Processing Scheme for CPT Atomic Clock	231
Mobile Application of Land Law Enforcement and Supervision	239
A New Mechanism of EAB in RCS Peng Zhao, Qun Wei, Hailun Xia, Zhimin Zeng	247
Design of Security Solution to Mobile Cloud Storage	255
A Study on Usability of Finger's Moving Direction in Direct Touch Environment	265
Double R-Tree and Double Indexing for Mobile Objects	271
Activity Recognition in Ubiquitous Computing Environment	279
Circuit Diagram Design for DAS Based on Single Chip Microcosm	287

Network Management System for Employment Service and Social Insurance Application	295
CSCW Based Labor and Social Security and Employment Information System	303
XML Based Asynchronous Communication for Labor and Social Security Systems	311
Research on Grain Moisture Curve Fitting Based on Support Vector Machine Regression	319
Optimized Location Planning of Logistics Park Based on Implicit Enumeration	327
Preliminary Study on Remote Sensing Teaching in Environmental Engineering Specialty	333
Architectural Study on Undergraduate Teaching System of Hydrology and Water Resources Major	337
Exploration of Data Structure Experiment Teaching	343
Survey of Job Happiness of College Students in Enterprise	349
Study on the Physical Education Reform of Colleges and Universities Based on the Regulation on National Fitness	355
A Study on Problems and Countermeasures of China's Higher Vocational Education	361
Research on Cost Accounting Informatization	369
Analysis of Factors Affecting Audit Charge in China's Listed Companies	375

The Research of Workflow Management System in Teaching Procedures Qiongjie Kou, Quanyou Zhang	383
The Master of Engineering Program in Integrated Circuits and Systems: A Case Study in Tsinghua University	387
Research on Risk Management of Project Schedule	397
Seizing the Big and Freeing the Small in Program Design Teaching JunRui Liu, XueFeng Jiang	405
The Research of Teaching Mode in Basic Computer Courses	411
Web Service Registry and Load Balance of Invocation Based on JXTA Chenni Wu, Wei Zhang, Shuangshuang Zhou	415
Improved Dynamic Frame Slotted ALOHA Algorithm for Anti-collision in RFID Systems	423
NC Skill Cultivation for Students with Specialty of Mechanical Design, Manufacturing and Automation	431
Research and Application of Heterogeneous Network Topology Discovery Algorithm Based on Multiple Spanning Tree Protocol	437
Research of Photoelectric Position Acquisition System	445
An Improved Particle Swarm Algorithm Based on Cultural Algorithm for Constrained Optimization	453
The Comparison of Program Implementations of the Acquisition of Vibration Data Based on LabVIEW	461
Study the Social Adaptability of University Students and the Relationship with Mental Health and Personality	467
The Study and Analysis on Psychological Commissioners' Mental Health and Personality	473
Bingwei Wang, Li Guo, Qiuyun Liu, Yongduo Wang, Shuangfeng Wei	

Coding with Random Linear Codes	481
The Teaching Reform and Practice of the Improvement of the Application Ability of Mechanical and Electrical Transmission Control	489
An Analysis of the Application of Granular Computing in Private Data Protection	497
P Systems with Proteins Working in the Minimally Parallel Mode	503
Interactive Research of Traditional Aesthetics and Teaching of Art and Design	511
The Analysis of "BRAND" Image and Performance Tendencies in Space Design	517
Application of Regression Analysis in Data Processing of Physical Experiment of College	525
Importance and Challenges of Digital Construction for Academic Library	533
The Research on Physical Education Teaching in Sino-foreign Cooperation in Running Schools	539
Using EDA Technology to Design Comprehensive Experiments of Digital Circuit Course	547
Improve Practice Engineering Teaching Ability of Young Teachers by School-Enterprise Cooperation	555
On Countermeasures and Dilemma for Higher Engineering Education Infiltrating Humane Education in China	561

Discussion on Training of Engineering Students' Ability of Professional English Application	567
The Construction of the Secondary Vocational Teachers Training System Based on 'Cooperation between School and Enterprise'	573
Research on High-Precision Time Synchronization Algorithm for Wireless Sensor Network	579
The Social Value and Development Strategies of Modern Distance Education Based on Humanistic Utility	585
Research on Cultivation Mechanism of Enterprise Ability for Undergraduates on the View of Employment	593
Teaching Reform Exploration of Automobile Examination and Diagnosis Based on Ability Training	601
Research on Teaching Reform of Mechanism and Machine Theory	607
Research on Cultivation Model to Full-Time Postgraduate of Engineering Major Xiulong Chen, Yu Deng, Xiuli Qi, Suyu Wang	615
Discussion on Measures of Training Innovative Talents in Science and Technology in Regional Colleges	621
Construction of the Training System in Ascendant Helix for the Computer Application Courses in Higher Vocational Colleges	627
On Sino-foreign Investment College PE Curriculum Setting from the Perspective of International View	635
Automatic Summarization of Web Page Based on Statistics and Structure	643

Design and Application of New Structure of Prefabricating Multi-Column Wall	651
Yu Rui, Cheng Ming	
Discussion on Six-Step Approach of Programming Courses in Vocational Colleges	659
Inspiration of Cooperation between School and Enterprise in Germany and USA to China	667
Building Computer Graphics into an Independent Sub-discipline	673
New Design for Water Quality Early Warning System	681
Sliding Window Calculating Method of Time Synchronization Based on Information Fusion	687
Study on Evaluation Method of University Library Website	693
The Construction of Online Video Resource Library with Streaming Media	701
Scheduling Algorithm of Wireless Sensor Cluster Head Based on Multi-dimensional QoS	70 9
An Improved Adaptive Genetic Algorithm	717
Determinants of Financial Restatements in the Listed Companies in China	725
The Effects of Exercise on IL-2/sIL-2R	731
The Influence of Sports about Internet Addiction on Teenagers' Health in Different Dimensions	739
A Unified Frame of Swarm Intelligence Optimization Algorithm	745

The Innate Problems and Suggestions on Inquiry Learning under Network Environment	753
Finding Maximum Noncrossing Subset of Nets Using Longest Increasing Subsequence	759
An Optimization Algorithm for Minimizing Weight of the Composite Beam	769
Optimal Filtering for Stochastic Singular Systems with Uncertain Observations	777
Centralized Fusion White Noise Estimator for Multi-sensor Systems with Missing Measurements	785
Author Index	793

Contents

XVII