CONTENTS

Preface iii
Organizing Committees xiii

ICEIT 2010 Session 1
A New Way to Software Engineering Education – Leisure Education in Professional Background
Ji Xueyun and Che Zihui V2-1

Simulation and Strategy Analysis for Multi-Round Auction
Zhang Wei, Ji Shujuan, Zhang Juan and Liang Yongquan V2-4

Chinese Problems Analysis in JAVA Language
Xianmin Wei V2-7

Research of Practical Course Teaching of JAVA Language
Xianmin Wei V2-10

Design and Implementation of Opening Experiment Information Platform for Colleges
Cao Danyang and Xi Junlin V2-13

Practice of Entrepreneurship in Higher Vocational Education Based on SSR Mode
Min Yang V2-16

Researches on the Technology of High Performance Microprogrammed Control
Jianlun Sheng V2-20

Based on PSO Algorithm Multiple Task Assignments for Cooperating UAVs
Wang Xinzeng, Ci Linlin, Li Junshan and Yu Ning V2-25

Teaching Introductory Information Technology Through English in China: Innovative Approaches to Information Technology education
Haifei Huang and Dave Towey V2-29

Study on Automated Detection of Iced Power Lines
Lu Ming V2-34

ICEIT 2010 Session 2
The Application of Strange Design/Manufacturing Platform Based on Concurrent Engineering
Xu Wanhong, Liu Shu and Liu Jie V2-38

Slope Stability Prediction Model Based on GA-SVM
Yan Xing, Jiehao Wang, Xiru Li, Ruixue Liu and Juan Gao V2-42

Research on Establishing a Good Relationship between Teacher and Student
Yinghao Qin V2-46

Analysis and Thinking of Automobile Service Engineering Students Training Situation
Rufu Hu, Xiaoping Chen and Zhonghua Cui V2-50

A Design of Enhanced Space Time Block Codes in MIMO Wireless Systems
Dong Li, Haoshan Shi and Wei Cheng V2-54

The Evaluation of College Education Science and Technology Innovation Performance based on Data Envelopment Analysis
Shi Jianhua V2-59
Jinyue Gao, Yin Tang, Yiwang Wang and Fengwen Cao

Security Storage in the Cloud Computing: A RSA-based Assumption Data Integrity Check without Original Data
Zhang Jianhong and Chen Hua

Teaching Reform on IE Mechanical Courses in China Based on Comprehensive Ability Cultivation
Xue Chaogai, Cao Haiwang and Dong Lili

A Novel Energy-based Method for Mesh Deformation
Xiaojie Zhou, Zhixun Su and Xiuping Liu

High Vocational Education Electricity Specialty “New Energy Technology” Relevant Curriculum Exploitation based on Industry Development
Yiwang Wang

Discussion on the Elements of Success of Network Instructional Platform
Jing Zhang, Lin Fu and Yan Jiang

ICEIT 2010 Session 5

Application of Computer Aided Industrial Design in Model Making Course Teaching
Qi Bin, He Weiping, Yu Suihuai and Sun Xiaoming

Network Coding Protection Based on P-Cycles for Mesh Networks
Lei Guo, Xingwei Wang, Xiaoqing Zhang, Hongpeng Wang and Yuhuai Peng

The Study of the College Counselor’s Development Model and Assessment Index System in China
Wang Qinghua and Gong Kai

The Study of WLAN Intrusion Detection System Based on Distributed Sensor
Wang Zongliang

Applying Simulation Teaching Method to Numerical Control Machining Practice
Zhang Xiaoqin, Rong Yu, Wang Haifang, Li Yanping and Zhang Liling

Personalized Distance Education System Based on Web Mining
Yuewu Dong and Jiangtao Li

ProTracker: A Provenance Tracking System for Scientific Workflows
Chunbo Liang, Gang Zhou and Ning Li

GLP: A Group Link Prediction Algorithm in DTMNs
Wu Junying, Xia Chunhe, Lv Lianshuang and Wang Haiquan

Research and Application of Knowledge Service Generic Technology: Digital Education Public Service Platform Context
Xiao Jun, Zhu Xiaoxiao and Li Xue

The Design of Information Dissemination Management System in Mobile Network
Yang Zhu, Zhichun Gan and Ye Huang

ICEIT 2010 Session 6

The Design of Information Dissemination Management System Based on Functional Orientation
Yang Zhu, Zhichun Gan and Ye Huang

CRRA: A Collaborative Approach to Re-Ranking Search Results
Liu Yongli
Design of Cross-domain Query of Crop Germplasm Resources Investigation Platform
Si Haiping, Qiao Yang, Fang Wei and Cao Yongsheng

V2-219

Si Haiping, Qiao Yang, Fang Wei and Cao Yongsheng

Exploration on Electrical and Electronic Teaching Reform by Information Technology
Cao Haiwang, Xue Chaogai and Dong Lili

V2-222

Study on Bilingual Teaching of Computer Science in Chinese Universities
Qian Xiong, Jun Peng and Zhiming Yang

V2-226

Static Consistency Check in Small Sample Condition Using Difference Quotient Series
Statistics in Variable Scale
Shi Xianming, Wang Qi, Shi Quan and Wang Guangyan

V2-230

Design and Implementation of Learning System based IMS
Shao Ruiqin

V2-234

Coordinated Development Degree of County Socio-economic System Prediction Based on
Support Vector Machine: Taking Twenty-six Chinese Counties as the Example
Zhao Jing and Guo Haixian

V2-238

Innovation of Engineering Education Models in Application-oriented Institutes
Li Fazong, Hu Rufu and Fan Xiaoqing

V2-242

Analysis of the Meaning of Lifelong Education- on Case of Purchasing Management
Education of School of Continuing Education
Liu Yanping, Wang Zhen, Zhang Yunpeng and Wang Yong

V2-246

ICEIT 2010 Session 7
Intuitionistic Fuzzy Relation Equations
Zhou Wei and Bao Menghong

V2-249

Enhancing Foreign Language Teaching in Engineering Education
Yanli Zhang

V2-252

Simulation of Artificial Neural Networks on Parallel Computer Architectures
Khushboo Aggarwal

V2-255

An Empirical Study of the Effect of Self-regulated Learning in Network Environment on
EFL Students’ Listening and Speaking Ability
Jie Yu and Ying Chen

V2-259

A Review of Virtual Classroom Interface Designs
Zehui Zhan

V2-264

Research and Implementation on Storm Surge Disasters Real-time Visualization
Dongmei Huang, Ming Zhao, Zongsheng Zheng and Cheng Su

V2-268

ACRP: Ant-Colony-based Routing Protocol for DTMNs
Pengxiu Zhang, Haiquan Wang, Chunhe Xia, Liangshuang Lv and Xiaodong Liu

V2-272

Application of GA-SVM Prediction in County Independent Innovation Ability: Taking
Guanzhong Urban Agglomeration as the Example
Zhao Jing and Dang Xinghua

V2-277

Physics-based Smoke Simulation with Dynamic Obstacles
Yan Jun and Hao Aimin

V2-281

Avatar Implementation in Virtual Reality Environment Using Situated Learning For “Sa’i”

V2-286
(Muslim Hajj Ritual)
Anita M. Yasin, Fakhru Hazman Yusoff, Mohd Ali Mohd Isa and Nurul Hidayah Mat Zain

ICEIT 2010 Session 8

TLDV: Tree-Like Locator Distance Vector Routing Protocol for MANETs
Haiquan Wang, Le Mi, Chunhe Xia, Liangshuang Lv and Meng Chen

Interuniversity Task-based Cross-disciplinary Collaborative Learning Model-A Case Study of Design and Implementation of Machine Translation System
Yan Bai and Ke Ma

The Use of ADM for SOA Design
Liang Zhao and Qing Yao

Design and Implementation of Bundle Protocol-Based Communication System
HaiQuan Wang, Chengcheng Feng and Min Luo

Supply Chain Coordination under Vendor-managed Inventory with Consignment-Based Revenue-sharing Contract
Liangtu Chen and Chunhui Wei

3D Display for a Classroom
Shuhong Xu, Corey Mason Manders, Tan Yiling Odelia and Peng Song

On the Revolution of Teaching Mode—Integrating Virtual Environments with Reality
Xu-Liyong, Dong-Yanrong, Li-Xia and Liu-Jianping

A Research on Collaboration Knowledge Construction in the Virtual Learning Community by Social Network Analysis
Wenguang Li, Xinhui Wang and Mingmei Yu

A Novel Method of Measuring the Complexity for Secure Optical Communications
Lei Yang and Wei Pan

The Analysis and Research on Young Teachers’ Engineering Continuing Education in the Local Engineering Colleges
Huanqin Cai and Yunxiang Li

ICEIT 2010 Session 9

Case Teaching Model Application to the Classroom Teaching of Environmental Protection and Sustainable Development
Xu Xiaohong, Zhang Bo and Liu Hong

An Analysis of Influencing Factors on College English Classroom Teaching Effects
Sun Fangli

On Multiple Objective Teaching of Engineering Geology Numerical Method
Deng Hui

An Evaluation Method for Communication Network Topology Reliability Based on Markov Model
Dong Hou, Ning Huang and Yang Chen

Synthetically Using Action-oriented Teaching Method in Vocational Education
Zhang Xiaoqin, Liu Rongchang, Deng Chunyan, Lun Cuifen and Yu Jingling

On Semi-Supervised Learning of Dirichlet Mixture Models for Web Content Classification
Jinghua Bai, Xiaoping Li and Xiaoxian Zhang
A Zero Text Watermarking Algorithm based on Non-Vowel ASCII Characters
   Zunera Jalil, Hamza Aziz, Saad Bin Shahid, Muhammad Arif and Anwar M. Mirza

The Research and Application of SaaS in Educational Information System Based on Educational Metropolitan Area Network
   Yunpeng Cai

Research on Electronic Learning Portfolio in China: Status and Trends
   Mingmei Yu

An Algorithm of Decision Tree Construction Based on Attribute Support Degree
   Qing Lin, Zongzhuan Ding, Jianping Yong and Jun Zhou

Semantic Approach for Association Rules Extraction based on Formal Concept Analysis
   Ourida Saidi

Society Construct Index and Assessment Method—A case of Tianjin
   Tao Sun, Xuehua Zhang and Jinxia Zhao

The Solution of DDOS attack based on Multi-agent
   An Lei and Zhu Youchan

Quality, Evaluation and Recommendation for Learning Object
   Jerry Z. Li

The Layout Design of Light Truck Seat Based on UG
   Wang Cuiping

Innovation and Practice on CDIO-based Three-dimensional Integrated Curriculum Model
   Yan Chen and Liang Ye

Author Index