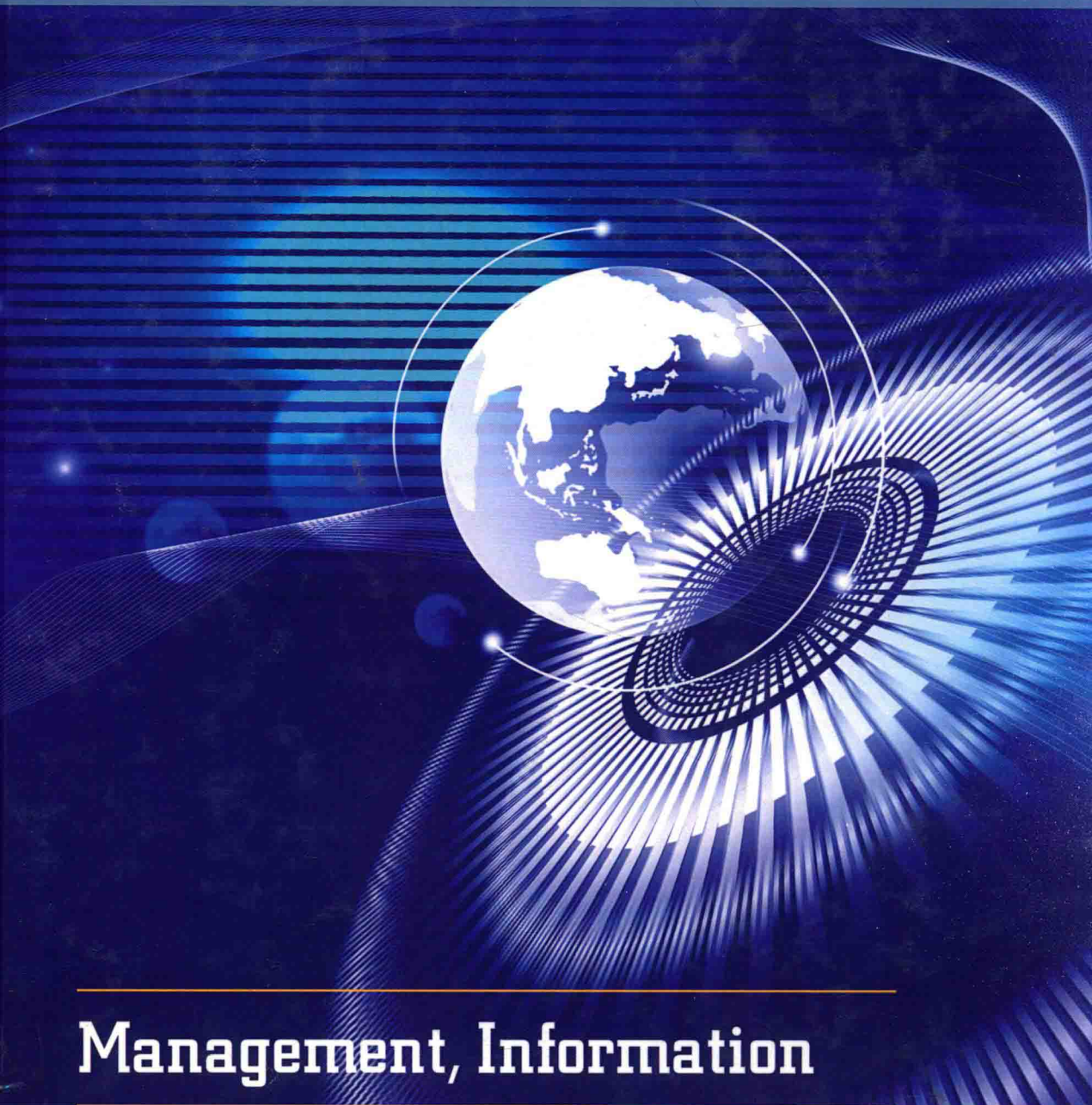


---

Editors: Hsiang-Chuan Liu, Wen-Pei Sung and Wenli Yao

---



---

# Management, Information and Educational Engineering

---

Volume 2

 **CRC Press**  
Taylor & Francis Group  
A BALKEMA BOOK

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON MANAGEMENT,  
INFORMATION AND EDUCATIONAL ENGINEERING, XIAMEN, NOVEMBER 22-23,  
2014

# Management, Information and Educational Engineering

*Edited by*

Prof. Hsiang-Chuan Liu

*Asia University*

Prof. Wen-Pei Sung

*National Chin-Yi University of Technology*

Dr. Wenli-Yao

*Control Engineering and Information Science Research Association*

## VOLUME 2



**CRC Press**

Taylor & Francis Group

Boca Raton London New York Leiden

CRC Press is an imprint of the  
Taylor & Francis Group, an **informa** business

A BALKEMA BOOK

*CRC Press/Balkema is an imprint of the Taylor & Francis Group, an informa business*

© 2015 Taylor & Francis Group, London, UK

Typeset by diacriTech, Chennai, India

Printed and bound in Great Britain by CPI Group (UK) Ltd, Croydon, CR0 4YY

All rights reserved. No part of this publication or the information contained herein may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, by photocopying, recording or otherwise, without written prior permission from the publisher.

Although all care is taken to ensure integrity and the quality of this publication and the information herein, no responsibility is assumed by the publishers nor the author for any damage to the property or persons as a result of operation or use of this publication and/or the information contained herein.

Published by: CRC Press/Balkema

P.O. Box 11320, 2301 EH Leiden, The Netherlands

e-mail: [Pub.NL@taylorandfrancis.com](mailto:Pub.NL@taylorandfrancis.com)

[www.crcpress.com](http://www.crcpress.com) – [www.taylorandfrancis.com](http://www.taylorandfrancis.com)

ISBN: 978-1-138-02728-2 (set of 2 volumes)

ISBN: 978-1-138-02854-8 (Vol 1)

ISBN: 978-1-138-02855-5 (Vol 2)

ISBN: 978-1-315-73104-9 (eBook PDF)

## Preface

The 2014 International Conference on Management, Information and Educational Engineering (MIEE 2014) was held in Xiamen, China, on November 22-23, 2014. The aim was to provide a platform for researchers, engineers and academics as well as industry professionals from all over the world to present their research results and development activities in Management, Information and Educational Engineering.

For this conference, we received more than 700 submissions by email and through the electronic submission system, which were reviewed by international experts, and some 346 papers have been selected for presentation, representing 12 national and international organizations. The papers were grouped into three sections, as follows:

**Computer science and information engineering:** This section mainly deals with the application of computer science and communications technology to design and development of information systems.

**New technologies in education and sports:** This section mainly covers the topics of Education and Sports, research into new educational technologies at schools and other educational institutions and other issues.

**Engineering management, production management, business and economics:** This section mainly covers Engineering Management and Economics Management and other issues.

Finally, our sincere thanks to the conference chairs, organization staff, the authors and the members of the International Technological Committees for their hard work.

We look forward to seeing all of you next year at MIEE 2015.

October, 2014  
Wen-Pei Sung

*National Chin-Yi University of Technology*

## Committees

### Conference Chairmen

Prof. Wen-Pei Sung, *National Chin-Yi University of Technology, Taiwan*  
Prof. Jimmy C.M. Kao, *National Sun Yat-Sen University, Taiwan*  
Prof. Gintaris Kaklauskas, *Vilnius Gediminas Technical University, Lithuania*  
Dr. Chen Ran, *Control Engineering and Information Science Research Association (CEIS)*

### Program Committee

Yan Wang, *University of Nottingham, U.K.*  
Yu-Kuang Zhao, *National Chin-Yi University of Technology, Taiwan*  
Yi-Ying Chang, *National Chin-Yi University of Technology, Taiwan*  
Darius Bacinskas, *Vilnius Gediminas Technical University, Lithuania*  
Viranjay M.Srivastava, *Jaypee University of Information Technology, Solan, H.P. India*  
Ming-Ju Wu, *Taichung Veterans General Hospital, Taiwan*  
Wang Liying, *Institute of Water Conservancy and Hydroelectric Power, China*  
Chenggui Zhao, *Yunnan University of Finance and Economics, China*  
Rahim Jamian, *Universiti Kuala Lumpur Malaysian Spanish Institute, Malaysia*  
Li-Xin GUO, *Northeastern University, China*  
Mostafa Shokshok, *National University of Malaysia, Malaysia*  
Ramezan ali Mahdavinjad, *University of Tehran, Iran*  
Anita Kovač Kralj, *University of Maribor, Slovenia*  
Tjamme Wiegers, *Delft University of Technology, The Netherlands*  
Gang Shi, *Inha University, South Korea*  
Bhagavathi Tarigoppula, *Bradley University, USA*  
Viranjay M.Srivastava, *Jaypee University of Information Technology, Solan, H.P. India*  
Shyr-Shen Yu, *National Chung Hsing University, Taiwan*  
Yen-Chieh Ouyang, *National Chung Hsing University, Taiwan*  
Shen-Chuan Tai, *National Cheng Kung University, Taiwan*  
Jzau-Sheng Lin, *National Chin-Yi University of Technology, Taiwan*  
Chi-Jen Huang, *Kun Shan University, Taiwan*  
Yean-Der Kuan, *National Chin-Yi University of Technology, Taiwan*  
Qing He, *University of North China Electric Power, China*  
JianHui Yang, *Henan University of Technology, China*  
JiQing Tan, *Zhejiang University, China*  
MeiYan Hang, *Inner Mongolia University of Science and Technology, China*  
XingFang Jiang, *Nanjing University, China*  
Yi Wang, *Guizhou Normal University, China*  
ZhenYing Zhang, *Zhejiang Sci-Tech University, China*  
LiXin Guo, *Northeastern University, China*  
Zhong Li, *Zhejiang Sci-Tech University, China*  
QingLong Zhan, *Tianjin Vocational Technology Normal University, China*

Xin Wang, *Henan Polytechnic University, China*  
 JingCheng Liu, *Chongqing Institute of Technology, China*  
 YanHong Qin, *Chongqing Jiaotong University, China*  
 LiQuan Chen, *Southeast University, China*  
 Wang Chun Huy, *Nan Jeon Institute of Technology, China*  
 JiuHe Wang, *Beijing Information Science and Technology University, China*  
 Chi-Hua Chen, *Chiao Tung University, China*  
 FuYang Chen, *Nanjing University of Aeronautics, China*  
 HuanSong Yang, *Hangzhou Normal University, China*  
 Ching-Yen Ho, *Hwa Hsia College of Technology and Commerce, China*  
 LiMin Wang, *Jilin University, China*  
 ZhangLi Lan, *Chongqing Jiaotong University, China*  
 XuYang Gong, *National Pingtung University of Science and Technology, China*  
 YiMin Tian, *Beijing Printing College, China*  
 KeGao Liu, *Shandong Construction University, China*  
 QingLi Meng, *China Seismological Bureau, China*  
 Wei Fan, *Hunan Normal University, China*  
 ZiQiang Wang, *Henan University of Technology, China*  
 AiJun Li, *Huazhong University of Science and Technology, China*  
 Wen-I Liao, *Taipei University of Science and Technology, China*  
 BaiLin Yang, *Zhejiang University of Industry and Commerce, China*  
 Juan Fang, *Beijing University of Technology, China*  
 LiYing Yang, *Xian University of Electronic Science and Technology, China*  
 NengMin Wang, *Xi'an Jiaotong University, China*  
 Yin Liu, *Zhongyuan University of Technology, China*  
 MingHui Deng, *Northeast China Agricultural University, China*  
 GuangYuan Li, *Guangxi Normal University, China*  
 YiHua Liu, *Ningbo Polytechnic Institute, Zhejiang University, China*  
 HongQuan Sun, *Heilongjiang University, China*

### **Co-sponsors**

International Frontiers of Science and Technology Research Association  
 Hong Kong Control Engineering and Information Science Research Association

## *Section 2: New technologies in education and sports*

## Table of contents

Preface	xxi
Committees	xxiii
 <b>VOLUME 1</b>	
<i>Section 1: Computer science and information engineering</i>	
A project-based approach for teaching C++ object-oriented programming language <i>C. He</i>	3
Research and design of NVT plug-in module-based network security detection system <i>H.L. Cai, L.Y.Q. Deng, T.M. Xue &amp; X. Yu</i>	7
Examining users' intention to continue using SNS based on an extended expectation-confirmation model <i>B. Dai &amp; Y.Z. Liu</i>	13
Axiomatization of Owen value for games with coalition structures under precedence constraints <i>H.X. Sun &amp; C.P. Nie</i>	19
A remote control system based on S3C2440 <i>Q. Li, K.J. Ren, Y.L. Wu &amp; R.M. Liu</i>	25
Design of access control system based on SEP4020 <i>K.J. Ren, Q. Li, Y.L. Wu &amp; R.M. Liu</i>	31
Study and practice on teaching mode in electric automation technology specialty of higher vocational colleges based on CDIO <i>L.Y. Fang, F.G. Wu, X. Zhang, X.Y. Zhou &amp; S.W. Fu</i>	37
The application of task-based approach in the teaching of broadcast media—the case of Video Creation course <i>H. Liu &amp; Y.J. Guan</i>	43
Research on “4 in 1” and “4D linkage” university—enterprise cooperation training base—taking the major of software technology in high vocational education as an example <i>Y.F. Liu &amp; C. He</i>	47
Based on coal mine internet of integration of the cloud computing platform architecture <i>H.W. Ding &amp; Y.B. Zhao</i>	51
Optimization of the internal accounting control based on the Internet of Things <i>Y.H. Dai &amp; X.Y. Ge</i>	55
Exploration on personalized information service mode of university digital library based on the network environment <i>L.H. Ma, N.N. Sun &amp; G.S. Zhang</i>	61



Computer network reliability analyses and optimization methods <i>Z. Wang</i>	65
Research on legal protection to the right to privacy based on network <i>L.P. Wang</i>	69
Using open source software and mobile devices for collecting research data in terrain <i>K. Myška, B. Celá &amp; K. Rybenská</i>	75
Study on the choice of the third-party logistics service provider based on fresh vegetables <i>J.H. Li</i>	79
Forecasting ability of alternative distance-to-default based on the Merton model <i>Y.L. Cai, CH.W. Chen &amp; X.J. Dong</i>	85
Research on warranty policies for the new-tech equipment <i>H.M. Wang &amp; Y.X. Jia</i>	93
Implementation of the demonstration center network ACL technology <i>F.H. Li &amp; X. Cao</i>	97
Study on human capital of farmers in poor areas in northwest China—from sustainable livelihoods angle <i>C.Y. Li, Q.F. Hou &amp; J.M. Han</i>	101
Analysis of sentiment transition of retweeting messages on Sina weibo <i>Y. Kang, C. Zhang &amp; X.T. Wang</i>	105
Construction of intramural practical training base based on Siemens PLC and configuration software <i>G. Li, W.T. Jin, J.Y. Gan, W.Q. You, H.W. Guo &amp; H.L. Xing</i>	111
Design of virtual platform in experiment course reform of principles and interface technique of microcomputer <i>Z. Zhang &amp; Z.Y. Liu</i>	115
Translation teaching of college English in China based on ESP teaching <i>S. Liu &amp; J.S. Ren</i>	119
Analysis and design of integrated task console software system of shipborne UAVs <i>P.F. Peng, L. Gong &amp; Q. Yu</i>	123
Skewed data learning algorithm based on multi-granularity <i>H.B. Fang</i>	127
Empirical research on relationship between ownership structure and cash dividend policy of Chinese listed companies—based on panel data <i>H. Liu &amp; J.M. Ye</i>	131
Performance evaluation of logistics enterprise based on DEA model <i>Y.Y. Ye</i>	137
Construction and exploration of the art design teaching platform based on scientific and technological information <i>Y. Liu, W. Tan &amp; H. Tan</i>	143
An exploration of open machinery training system <i>H. Tan</i>	147
Definition of the concept of Roliball and rheological study history <i>Y.T. Yang, Y.S. Liu &amp; Z.F. Chen</i>	151

LEEP combined with Matrine gel and ciprofloxacin hydrochloride suppository in the treatment of severe cervical erosion <i>L. Xu &amp; P. Xu</i>	155
Design and implementation of seafood cold-chain logistics monitoring system <i>H.R. Liu, M. Wang, Y.X. Liang &amp; Y.J. Yu</i>	159
Effect of family control on company's investment-cash flow sensitivity: Evidence from China's listed companies <i>Z.J. Zeng &amp; J.L. Li</i>	163
Discussion on optimization in information and computing science curricular of local universities against the background of universities and colleges' transformation <i>Z.Y. Hou</i>	167
Cloud ontology semantically improves cloud computing services <i>L.G. Deng &amp; X.Y. Liu</i>	171
Design and simulation of electric vehicle cruise control system based on MATLAB <i>W.J. Zhang, W.L. Niu, X. Wang &amp; T. Jin</i>	177
Development of intelligent vehicle test system based on mobile terminal platform <i>Y.C. Zhang, L.C. Tang, X.C. Huo, X.F. Zhao &amp; Y. Yin</i>	183
Application of Flash animation in power system relay protection teaching <i>J.T. Shi, Y.W. Tian &amp; H.Y. Wu</i>	189
Research on the vocational ability-oriented curriculum integration system of secondary vocational and undergraduate education of automobile service engineering major <i>H.M. Lv &amp; L.Y. Zhu</i>	193
Three-dimensional planning study of the urban outdoor advertisement on the basis of WebGis <i>R.H. Xie</i>	197
Enlightenment and teaching reflection of digital media technology to the education of modern graphic design <i>R.H. Xie &amp; M.S. Liu</i>	201
Research on the accounting risk and control strategy in network environment <i>T. Fei</i>	205
E-commerce curriculum development based on CGLC mode <i>G.R. Chen</i>	209
Modeling property price along the metro lines in China <i>Y.G. Xu &amp; G. Cheng</i>	213
A new image denoising method combining the contourlet transform and partial differential equation <i>R. Zhao &amp; T. Wang</i>	217
Optimal dividend and capital injection strategies in the perturbed classical risk model with transaction costs <i>Y.M. Yue</i>	221
Research of Half Fuzzy graph and its application <i>H. Wang &amp; X.F. Yu</i>	225
Comparative study on total flavonoids in different parts of <i>Aleuritopteris argentea</i> <i>X.W. Zhang &amp; B. Gao</i>	231

Steganalysis technology for adaptive embedding of GIF image <i>Y.H. He</i>	235
Tamper detection based on defocused image difference <i>Z.H. Wang</i>	239
Study of tampering detection based on image fusion <i>H.F. Huang</i>	243
Splicing detection based on consistency of color filter array's characteristics <i>Y.H. Chang</i>	247
Online detection and control of pulp concentration <i>B.J. Sun, S.J. Hu &amp; C. Zhang</i>	251
Research on opportunistic networks applied in remote areas <i>D.H. Gong</i>	255
PROFIBUS-DP interface development for intelligent instrument <i>G.X. Miao</i>	261
Research on network word-of-mouth marketing strategy under the environment of social media <i>L.B. Hu, S. Cao, Y. Cao &amp; Y.P. Wang</i>	265
A method of face recognition based on maximum margin criterion and difference vector <i>G. Cheng &amp; Y.Y. Liu</i>	271
Research and application of oil spill tracking buoy based on BeiDou satellite <i>R. Yang, W.W. Zhu &amp; Q. Gu</i>	275
Analysis on the age feature of the development of upper limb strength and lower limb strength in Chinese teenagers <i>Y.J. Lin, W. Chen, L.Q. Qiu, C.X. Cai &amp; J.H. Li</i>	279
Correlation between the standing long jump performance and the skinfold thickness and weight of teenagers <i>W. Chen, L.Q. Qiu, Y.J. Lin, C.X. Cai &amp; J.H. Li</i>	283
Multi-attribute group decision-making model with interval-valued fuzzy number for personnel selection based on group's ideal solution <i>Z.S. Liu, J.J. Zhang &amp; H. Xue</i>	287
Research on the construction of electronic information engineering characteristic specialty <i>B. Guo, X.M. Bai &amp; G. Yang</i>	293
Research on measuring the corporate default willingness based on prospect theory <i>X.D. Lin, L. Cheng &amp; D.D. Zeng</i>	297
A novel fruit fly algorithm for solving the parallel test sheet generation problem <i>F.R. Wang, W.H. Wang &amp; J.X. Dong</i>	303
Discussion on promoting the development of multi-interdisciplinary research in the new type of research institutes <i>Y. Zhou, Y. Li, J.F. Chen, Q. Liao &amp; H.X. Song</i>	309
Study on construction and application of web-based course's evaluation index system <i>S.G. Xu &amp; Y. Zhang</i>	313
Appetite regulation network and obesity <i>D. Fu</i>	317

Construction of M-learning resources based on cloud-terminal integration <i>H. Zhao, Y. Shi &amp; X.P. Li</i>	323
Research and realization of pruning-branch to adopt data-stream <i>W. Lv</i>	327
Study on the traditional method for communication between VLANs of IoT based on education simulation technology <i>H.H. Shi, Y.J. Wang &amp; X. Xu</i>	333
Teaching the single arm routing method for communication between VLANs of IoT based on Packet Tracer <i>H.H. Shi, Y.J. Wang &amp; X. Xu</i>	337
Optimization of the plastic injection molding process using Taguchi method, RSM, and GA <i>W.C. Chen, M.H. Nguyen, H.S. Chiou &amp; T.N. Chen</i>	341
Application of modular teaching in computer public courses for art major <i>Y. Zhang &amp; J.M. Shuai</i>	347
Operating performance evaluation of listed companies in China's electric home appliance industry <i>F. Chen &amp; X.Q. Yan</i>	351
Building an "information service supermarket" of the university digital library in the information era <i>L.H. Ma, J. Zhao &amp; Y.L. Zhao</i>	357
Cloud computing-based KMS in comprehensive hospitals <i>Z.H. Luo, L.X. Yun &amp; X. Zhang</i>	361
Analysis on the application of database technology practice in information management <i>Y.X. Lan</i>	365
The application of database technology in urban traffic service information system <i>Z. Zhang &amp; J.L. Ren</i>	369
The application of multimedia technology in martial arts classroom <i>X.F. Zhao</i>	373
Exploration into resources sharing via the internet for sports information <i>X.H. Luo</i>	377
Research and exploration in computer experimental teaching for system capacity training <i>S.S. Li &amp; C.B. Quan</i>	381
A self-adaptive cooperative protocol in VANET <i>J.Q. Li, X.Q. Di, X. Liu, H. Qi, L.G. Cong &amp; H.Y. Yu</i>	387
Research on key technologies of remote network attack and defense teaching experimental platform <i>J.Q. Li, X.Q. Di, M. Wang, J. Qiu &amp; J.P. Zhao</i>	391
The design of a central node of the wireless sensor network used in seismic monitoring <i>Z.T. Li, J.H. Fu, Y.K. Guo &amp; Q. Tan</i>	395
The application of Logic Pro in music writing with multi-part <i>J.M. Zhang</i>	399
A study of use technology acceptance model of web-based digital learning environment for interior decoration labor safety education <i>Y.Y. Tyan, H.Y. Chen &amp; Y.W. Wu</i>	403

Application of database technology in information society present situation and existing problems of analysis <i>F. Kong</i>	407
Analysis on characteristics of experimental video art <i>X. Wang</i>	411
Application of TRIZ and inherent safety in the design of a safety device for intravenous infusion tubing <i>Y.C. Lin, H.L. Hsiao, S.C. Yang &amp; K.Y. Li</i>	413
Design and realization of cloud computing network teaching platform <i>L.M. Wang</i>	417
The design and implementation of network courseware of “algorithm design and analysis” <i>C. Feng</i>	421
Psychological warfare’s influence on volleyball athletes’ performance based on multi-layer data analysis and sports media <i>X.H. An</i>	425
The application of computer image processing technology in arts creation <i>C.S. Liu</i>	429
The man-machine engineering design of a multimedia platform <i>C.L. Pan</i>	433
Electroencephalographic coherence for exposure to low-frequency noise <i>C.C. Yang &amp; C.Y. Chou</i>	437
The artistic expression analysis of animation technology based on three dimensions <i>H. Nie</i>	441
The impacts of computer graphics accessibility functions on ceramic paintings <i>Y. Gao</i>	445
Basketball tactics system design based on .NET platform <i>H. Jiang</i>	447
Author index	451

## VOLUME 2

### *Section 2: New technologies in education and sports*

Research on the information literacy education of university embedded cognition <i>N.N. Sun &amp; L.H. Ma</i>	457
Problems and countermeasures of the cohesive models between secondary vocational education and undergraduate education system—a case of automotive major <i>P. Tang, R.Y. Zhu, H.M. Lv &amp; J.S. Xia</i>	461
Study on innovation in ideological and political education based on the internet age <i>H.X. Guo</i>	465
Study on solfeggio teaching under MIDI environment <i>Y.A. Wang</i>	469
A study on English language acquisition of bilingual children with different bilingual proficiency <i>F.C. An, Y.S. Wu &amp; Z.A. Zhang</i>	473

Exploitation on school-based traditional ethnic sports course in primary and middle schools of ethnic region in northwest Guangxi <i>L.C. Wei</i>	479
A discourse-based English passive voice teaching <i>X.F. Zhai &amp; G.F. Ding</i>	485
Study on the talent training model of safety engineering specialty based on career orientation <i>X.Y. Liu, G.H. Liu, Y.J. Xiong, H.S. Wang &amp; Z.Q. Xia</i>	489
The compared research of modern sports teaching mode in China and the USA <i>L.J. Wei</i>	495
Network information foraging behavior strategy of virtual scientific research team members <i>Q. Wang &amp; W.Y. Chen</i>	499
Exploration on adaptability education for college students <i>F. G. Meng, K. Wang &amp; M.X. Zhu</i>	503
An empirical analysis of competitiveness of foreign trade in Guizhou province <i>W. Liu &amp; Y. Shang</i>	507
Evaluating the function and effect of an educational game <i>J.J. Tang &amp; W.Q. Qu</i>	511
Research into validity of implementation of humanistic quality-based education in integrated English teaching of English major <i>Z.H. Wang</i>	515
A brief talk about harmonious ideological-education <i>Y.T. Dong</i>	521
Discussion on innovative talent cultivating mode under the ideology of CDIO engineering educational concept <i>Z.R. Bai, X.M. Liu, J.J. Liu &amp; Y. L. Wang</i>	525
The predicaments of specialized English listening and speaking bilingual teaching for international trade majors <i>Y.C. Han</i>	529
Comparative study of open source e-learning systems <i>V. Maněna, M. Maněnová &amp; K. Rybenská</i>	533
Transformation of higher vocational education in the context of economic transition <i>H.Q. Li &amp; P. Li</i>	537
Analysis on the Japanese language teaching reform in the institutions of higher learning <i>F. Wu &amp; Z. Chen</i>	541
Application and research of multimedia teaching technique <i>L. Xia</i>	545
Study on the needs of distance education in the development of the transportation industry <i>P.P. Tang &amp; M.B. Gao</i>	547
Research on the application of task-based language teaching for the English pronunciation course in high schools in China <i>Y.L. Nie</i>	551

Strategies on improving listening ability <i>H.M. Xing, L. Sun &amp; Y. Zeng</i>	555
Study on college students' learning motivation <i>H.M. Xing, L. Sun &amp; Y. Zeng</i>	557
Analysis and solutions to the private college students' mental health education <i>Y. Deng</i>	559
A survey of the reform of college physical education teaching <i>X.M. Zhao &amp; Q. Wei</i>	563
Study on the application of art education based on multimedia teaching <i>B.Q. Pan &amp; M.N. Xiong</i>	567
Research on higher art education based on the aesthetic intuition theory <i>H.J. Ji</i>	571
Application of new multimedia teaching in music education <i>N. Sun</i>	575
Study on ideological and political education under new media technology background <i>X.W. Wang</i>	579
Training model for young teachers based on competency for China's application-oriented universities <i>Y.F. Li, F.C. Liu &amp; Y.Y. Feng</i>	583
The problems and countermeasures of the practical application of case teaching <i>X.L. Gu</i>	589
Three mistakes of the teaching methods and means reform <i>X.L. Gu</i>	593
The utilization of question-guided teaching model in job-oriented education <i>X.L. Gu</i>	597
Listen-to-Write: A computer-assisted approach to improving college English writing in mainland China <i>Q.S. Gu &amp; J.L. Liu</i>	601
Problems existing in entrepreneurship education in colleges and universities under the new situation of employment and discussion on countermeasures <i>X. Yao &amp; L.C. He</i>	605
Study on middle school students' overweight lessons-burden in Gansu province <i>R.F. Zhao &amp; J.M. Han</i>	611
Teaching strategy on English major in China <i>R. Dai</i>	617
Research on innovation of teaching model of office advanced training <i>X. Cao &amp; F.H. Li</i>	621
A study on dimensions of university teachers' research performance <i>F. Ren</i>	625
The impact of network embeddedness to the enterprise's technological innovation performance in the environment uncertainty: Considering the mediation and adjustment <i>J.J. Duan</i>	629

Strategic analysis of the entrance of traditional ethnic sports into classrooms of higher educational institutions—taking Guangxi of China as an example <i>Z.F. Huang &amp; Y.Q. Wei</i>	635
The current situation in curriculum settings of physical education major and its future conceptions in new undergraduate colleges and universities—taking new undergraduate colleges and universities in Guangxi province of China as an example <i>Z.F. Huang &amp; Y.Q. Wei</i>	641
The past meets the future: The inheritance of ethnic opera and reform of opera teaching in local college—taking the “Mulam Opera” in Luocheng autonomous county as an example <i>H.Y. Wei</i>	645
Research on the value of establishing traditional ethnic sports course in colleges and universities of ethnic regions—taking Guangxi as an example <i>Q.S. Zhu</i>	651
An empirical study of the application of functional grammar theories to the teaching of the English passive voice <i>X.F. Zhai &amp; G.F. Ding</i>	655
The effect of teaching methodology on students’ interest in volleyball class <i>H. Wang</i>	659
The study of campus sports culture and its construction in higher education institutions <i>H. Wang</i>	663
Transformation and development strategies for EGP teachers in higher vocational colleges <i>X.M. Ping, S.H. Ma, Z.G. Liu &amp; A.M. Zhang</i>	667
Enlightenment of research themes on the Poyang Lake ecological economic zone on academic tourism research <i>C.P. Jin</i>	671
The integration of learning management system and other related information systems in open learning <i>M.J. Tan, P.J. Shao &amp; Y. Gong</i>	675
Research and practice on teaching and research team construction of a newly-built undergraduate academy <i>W. Wei &amp; J. Dai</i>	681
Study on ideological and political education of college students in the background of new media <i>A.B. Zheng</i>	685
Research on theory and practice of teaching mode and teaching design based on network environment <i>C.H. Liu &amp; H.L. Tang</i>	689
The application of ecological educational ideas to the English teaching activities <i>X. Tian</i>	693
The effect and practice research on the order-oriented personnel training mode <i>J.L. Zhou &amp; L.F. Xie</i>	697
Research of college student employability under the perspective of regional economic differences <i>S.X. Cui, G.H. Li &amp; W.H. Peng</i>	701



The research on the present state of college students' physical constitution and improvement measures <i>Y. Zhou</i>	707
The research of college English learning strategies based on networks <i>S.F. Wen &amp; W.S. Bao</i>	711
Improve the quality of applied talents based on strengthening mathematical culture teaching <i>H.S. Liu &amp; S.F. Yan</i>	715
Spoken English teaching strategies in colleges based on grammatical competence <i>L. Wang</i>	719
A study on function and application of culture context in translation teaching <i>X. Li</i>	723
On the curriculum setting, teaching mode and teacher allocation of ACCA in universities <i>S. Lv, Y. Feng &amp; H. Su</i>	729
Investigation of the present situation of Nanchang middle school football development <i>Q. Xiong, L.H. Chen, F. Chen, Y.H. Wang &amp; J.H. Li</i>	733
Construction of teaching faculty in the stratified teaching <i>H.Y. Huang, A.M. Gong &amp; C.Y. Hu</i>	737
The research of digital language feature extraction and recognition <i>Q.P. Zou</i>	741
The research and practice of project teaching method in the teaching of DSP applied technology <i>G. Yang &amp; B. Guo</i>	745
How corporate growth influences earnings management <i>L. Jiang</i>	749
Application of action-oriented teaching method in courses of art history and theory <i>H.Y. Liu</i>	753
Research on evaluation mechanism of university students' autonomous learning <i>L.Y. Jiang, L.P. Huang, H.J. Liu &amp; S. Ren</i>	757
An evaluation system for autonomous learning in the ubiquitous learning environment <i>H.J. Liu, L.P. Huang &amp; L.Y. Jiang</i>	763
Research on aesthetic teaching modes of basketball under new curriculum standards <i>S.Y. Yang</i>	767
Reform of basic chemistry experiment course for non-chemistry specialties in independent college <i>T. Liu &amp; B.Q. Jiang</i>	771
Cultivation of students' comprehensive quality during teaching of fundamental chemistry experiment course in independent college <i>Z.P. Chen &amp; B.Q. Jiang</i>	775
Exploration of physical education teaching reform from the perspective of multimedia <i>N. Qi &amp; L. Wang</i>	779
Study of the application of network resources in English reading teaching <i>H.Y. Jin</i>	783