Proceedings

2008 International Seminar on Future Information Technology and Management Engineering

Leicestershire, UK
20 November 2008

Sponsored by
Intelligent Information Technology Application Association, Hong Kong
# TABLE OF CONTENTS

## SESSION 1: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weiping Wang, Peng Chen, Bowen Liu</td>
<td></td>
</tr>
<tr>
<td>An Effective Content-Based Schema Matching Algorithm</td>
<td>5</td>
</tr>
<tr>
<td>Yuan Yang, Mengdong Chen, Bin Gao</td>
<td></td>
</tr>
<tr>
<td>Radix Notoginseng Quality Assessment Based on Rough Sets and Neutral Network</td>
<td>10</td>
</tr>
<tr>
<td>Tie Wang, Zhiguang Chen, Gaonan Wang, Jianyang Lin</td>
<td></td>
</tr>
<tr>
<td>Quality Assessment Based on Particle Swarm and Normal Similarity</td>
<td>14</td>
</tr>
<tr>
<td>Tie Wang, Gaonan Wang, Zhiguang Chen, Jianyang Lin</td>
<td></td>
</tr>
<tr>
<td>Application Research of Cooling Load of Bus Air Conditioning Based on BP Neutral Network</td>
<td>18</td>
</tr>
<tr>
<td>Huifan Zheng, Caixia Zhu</td>
<td></td>
</tr>
<tr>
<td>On Dynamic Evolution of Industry Agglomeration Based on Swarm Intelligence</td>
<td>22</td>
</tr>
<tr>
<td>Guan Jun</td>
<td></td>
</tr>
<tr>
<td>Research on Face Recognition Based on PCA</td>
<td>27</td>
</tr>
<tr>
<td>Hong Duan, Ruohou Yan, Kunhui Lin</td>
<td></td>
</tr>
<tr>
<td>A Spectral Clustering Algorithm for Outlier Detection</td>
<td>31</td>
</tr>
<tr>
<td>Peng Yang, Biao Huang</td>
<td></td>
</tr>
<tr>
<td>A Modified Density Based Outlier Mining Algorithm for Large Dataset</td>
<td>35</td>
</tr>
<tr>
<td>Peng Yang, Biao Huang</td>
<td></td>
</tr>
<tr>
<td>Face Recognition Based on Radial Basis Function Neural Networks</td>
<td>39</td>
</tr>
<tr>
<td>Weihua Wang</td>
<td></td>
</tr>
<tr>
<td>A Study of Performance Evaluation of HRM: Based on Data Mining</td>
<td>43</td>
</tr>
<tr>
<td>Xin Zhao</td>
<td></td>
</tr>
<tr>
<td>A New Knowledge Representation Method Based on Ontology and Cloud Theory</td>
<td>47</td>
</tr>
<tr>
<td>Peiguang Lin, Zhizheng Zhou</td>
<td></td>
</tr>
<tr>
<td>Algorithm of On-line Generating Paper Based on Knapsack Problem</td>
<td>51</td>
</tr>
<tr>
<td>Peiguang Lin, Mei Sun</td>
<td></td>
</tr>
<tr>
<td>Analysis of Contrasting Neural Network with Small-World Network</td>
<td>55</td>
</tr>
<tr>
<td>Shou-wei Li</td>
<td></td>
</tr>
<tr>
<td>Adaptive Selection of Classifier Ensemble Based on GMDH</td>
<td>59</td>
</tr>
<tr>
<td>Jin Xiao, Changzheng He</td>
<td></td>
</tr>
<tr>
<td>A New Stability Condition of Discrete Hopfield Neural Networks with Weight Function Matrix</td>
<td>63</td>
</tr>
<tr>
<td>Ying Zhang, Jun Li, Zheng-wang Ye</td>
<td></td>
</tr>
<tr>
<td>Learning Drifting User Interest Incrementally from Numerically Labeled Feedbacks</td>
<td>67</td>
</tr>
<tr>
<td>Pin Zhang, Juhua Pu, Yongli Liu, Zhang Xiong</td>
<td></td>
</tr>
<tr>
<td>An Improved Genetic Algorithm Based on hK1 Triangulation</td>
<td>71</td>
</tr>
<tr>
<td>Jingjun Zhang, Yanmin Shang, Ruizhen Gao, Yuzhen Dong</td>
<td></td>
</tr>
</tbody>
</table>
Improvement of Text Feature Selection Method based on TFIDF .................................................................77
Shouning Qu, Sujuan Wang, Yan Zou

One Complex Wavelet Algorithm Based on Image Deconvolution .................................................................80
Jiuhua Zhang, Lianmin Hu, Min Li

SESSION 2: E-BUSINESS, E-ENTREPRENEURSHIP, E-LEARNING, AND E-LOGISTICS

A Cooperative Negotiations Meta Strategy of Incomplete Information in the Ecommerce .....................84
Shaobin Dong, Yuqiang Feng, Hongbing Xie, Xiaoyu Sun

Semantic Based System Modeling for Reliable Operation of Dynamic e-Enterprise .........................88
Chengjun Wang

Research on a Novel E-Learning Architecture Integrated Grid Technology .............................................92
Jianxin Chen, Zenggang Xiong, Xuemin Zhang

Business to Consumer E-commerce Enterprises Analysis: A Case Study of eguo.com .........................96
Xiaohong Wang, Liwei Li, Ling Tian, Jinghai Ao

Customer Value and Brand Loyalty: Multi-Dimensional Empirical Test .............................................100
Jiatao Huang, Depeng Zhang

Mixed Clustering Algorithm and Electricity Customer Classification ...................................................105
Shu-xia Yang

A New Framework of Combinational Evaluation Methodology Based on Statistics ..................................109
Zhongping Wang, Weidong Li

E-commerce Consumer Satisfaction Analysis Based on Structural Equation Modeling ........................114
Pengxiang Jia

E-commerce Performance Assessment Research Based on the D-S Theory and the Balanced Score Card Method .........................................................118
Peide Liu, Zhengwei Du

Integrating Handheld Devices into Ubiquitous Education Service Delivery .............................................122
Lin Zhu, Ronghuai Huang, Yushun Li

The Establishment of the Tax System under the E-commerce Environment .............................................126
Lu-ming Yang, Xiaoling Li, Jian Liang

Study on the Application of Blended Learning in the College English Course ....................................131
Xian Tang, Qun Pan

SESSION 3: SECURITY AND PRIVACY

An Approach for Integrating Trust Information Model ............................................................................135
Xu Wu, Jingsha He, Fei Xu

The Influence of Perceived Privacy upon the Trust in E-commerce .........................................................139
Zhen Gong, Yongsheng Jin

Content Trust Based Trustworthy News Search Engine .......................................................................142
Xiaojun Wang, Guosun Zeng, Wei Wang

Research on Operational Risk Evaluation of Commercial Bank with Incomplete and Linguistic Information .........................................................146
Qian Chen, Jinlin Li, Lun Ran
Enterprise Bankruptcy Prediction Using Noisy-Tolerant Support Vector Machine ........................................151
Zhong Gao, Meng Cui, Laiman Po

Two Optimum Secret Sharing Schemes Revisited .................................................................155
Zhengjun Cao, Olivier Markowitch

Design for Early Warning Index System of the Risk in Enterprise Internationalized Supply Chain .................................................................159
Guohua Zhang, Jing Yang

Third-party Logistics Provider Efficiency Evaluation Based on Information Entropy-DEA Model .................................................................164
Bin Ding, Xiaoning Zang, Li Jiang

A Component-Centric Access Graph Based Approach to Network Attack Analysis ..................169
Xiaochun Xiao, Tiange Zhang, Huan Wang, Gendu Zhang

The Study on City Gas Network Resisting Engineering Geological Hazard Damage Early Warning and Decision Support System ...........................................175
Zhanglin Guo, Yonghua Wang

PTBBWD: A Fast Process Traffic Behavior Based Worm Detection Algorithm .................................................179
Fengtao Xiao, Huaping Hu, Bo Liu, Xin Chen

Study on Measures of Dependence Conditional Risk Based-on Copulas in Financial Portfolio .................................................................185
Wen-de Yi, Ai-hua Huang

The Active Security Situation Sensor for Network ................................................................190
Dongxia Wang, Gang Zhao, Guoqing Ma

Intelligent Enterprise Information Security Architecture Based on Service Oriented Architecture ...........................................................................194
Jianguang Sun, Yan Chen

SESSION 4: WEB AND GRID SERVICES

A Model for Feedback Credibility of Trust Management in Web Services ........................................199
Meng Qiu, Liang He, Jing Xue

Complexity and Optimization Analysis of Spatial Network .....................................................204
Jin Li, Junhai Ma

Research on Knowledge Sharing Mechanism Based on Web2.0 ..............................................208
Hongbing Zhang

Applying Pattern Oriented Software Engineering to Web Service Development ..................212
Chengjun Wang

Using CoTraining and Semantic Feature Extraction for Positive and Unlabeled Text Classification .................................................................216
Na Luo, Fuyu Yuan, Wanli Zuo

Modeling the Patterns of WS-CDL Interactions Based on Process Algebra ................................220
Shenghong Li, HuaiKou Miao

Knowledge Management, Collaboration and Innovation ......................................................226
Pengxiang Jia, Qinghua Xia

Fault Tolerant Quality Aware Resource Scheduling Strategy in Computational Economy Based Grid Framework .................................................................231
Waqas Jadoon, Le Ken Lee
Research on Middleware of Automatic Finding and Integration of Deep Web Query Interface ................................................................. Peiguang Lin, Chao Lv, Ku Jin

A Distributed Platform Based on HBWSP&XML for Net Resources Sharing ............................................... Peiguang Lin, Qi Qi Chen

A Grid Service Model Framework Based on Object-Z and Statechart ........................................................... Wei Liu, Dong Xu, Zongtian Liu, Wen Zhou, Lei Lei

A Hybrid Method for Semantic Annotation of Chinese Web Pages .......................................................... Tao Jing, Wanli Zuo, Fengling He

The Analysis of Knowledge Network Efficiency in Industrial Clusters ..................................................... Jianfeng Chen, Dewen Chen, Ze Li

Research on ODRL Connecting with Application Scenarios .............................................................. Yi Zhang, Xiaoguang Wei, Shu Zhao

The Spacecraft Automatic Testing Engine Based on Workflow ........................................................................ Gang Ye, Dan Yu, Shilong Ma, Zhongwen Li, Xianjun Li

Research on Service Monitoring Methods of Manufacturing Grid Based on Monitoring Command Word ........................................................................... Chunquian Li, Wenhan Wang, Yuling Shang

Research on Water Resources Grid Based on SOA .................................................................................... Liang Tao, Lingkui Meng, Zidan Chen, Deqing Chen

SESSION 5: INDUSTRY APPLICATION AND MANAGEMENT

Motion Vehicle Recognition and Tracking in the Complex Environment ...................................................... Tao Gao, Zheng-guang Liu, Jun Zhang

Research of Computer Supported Cooperative Consultation Platform Based on JXTA .............................. Yongtao Zhou, Xiaohu Chen, Xuping Wang, Chunjiang Yao

An Assessment of the Impact of Technology Innovation and Standardization on High Technology Industry Economic Benefit ........................................... Caimei Hu, Fulei Wei

An Improved LSA-MMSE Speech Enhancement Approach Based on Auditory Perception ..................... Linyu Gong, Changxing Chen, Qi Chen, Haoxiang Xu

The Research on the Organization Mode of Urban Rapid Logistics Transport System’s Cooperative Development ................................................................................. Aiyuan Duan, Jungang Yang, Min Deng

Preliminary Research of a Medical Sensor Design by Evolution ............................................................. Xuekun Song, Zhansheng Yang, Jinchuang Zhao

Engineering Change Management Based on Weighted Complex Networks .............................................. Jibo Li, Dinghua Zhang, Shan Li

A Study of Software Development Project Risk Management ................................................................. Ye Tao

The Research Status Quo and Consideration of Industrial Parks’ Ecological Transformation ................................. Malin Song

Real-Time Control for Job-Shop Scheduling .......................................................................................... Chen Jin
The Research on the Innovation Strategy of Electric Vehicle Demonstration .................................................. 319
Binxiang Hu, Yuning Wang

Motion Multi-vehicle Recognition and Tracking in Stable Scene ................................................................. 323
Tao Gao, Zheng-guang Liu, Jun Zhang

SESSION 6: INFORMATION SYSTEMS

Study on Results-Oriented Systems Engineering (ROSE) ........................................................................... 328
Xin-bo Ai, Zhong-yi Zhang

An Empirical Study of Effects of Information Systems Resources ............................................................ 333
Baoliang Hu, Yiming Xiang

SOA Technology and OOHIS System Analysis in College ........................................................................... 337
Cai-dong Gu, Hua Li, Jian-ping Wu, Jing-xiang Li, Hai Zen, Chang-shui Xiao, Ligang Fang, Lu-lei Xu, Fang-yong Tan, Pingping Shen

A Study on Viscidity and Dynamics Model of Technological Innovation Diffusion .................................. 340
Huang Wei

A Study on the Model of Early-Warning on the Risk of ETI Based on the Principle of Failure Science .... 344
Huang Wei

An Approach for Supplier Selection in Information System Outsourcing ................................................ 350
Chen Yong, Cai Shuqin

Analysis on Factors Impacting to Information System Development ......................................................... 354
Xiangnan Lu, Xin Zhao, Hui Han

The Realization of RBAC Model in Office Automation System ..................................................................... 358
Anquan Jie

A Novel Computerized System for Tongue Diagnosis .................................................................................. 362
Zhong Gao, Meng Cui, Guanming Lu

Spaeris: A Multi-Agent System Specified by Agent UML ......................................................................... 366
Chen Fei, Chen Yan

Information Lifecycle Modeling Framework for Construction Project Lifecycle Management ................. 370
Wenfa Hu

The Research of Technological Innovation System for Industry Clusters .................................................. 374
Xiangwei Wang

Optimal Ordering Policy In Dual-Supplier System with Unreliable Lead-Time and Minimum Lot Size .... 378
Qun Jin, Lei Liu, Zuwen Wang, Yuhui Wang

Study on Auditory Localization System Based on Microphone Array ...................................................... 383
Hongjiang He, Fengjiao Wang, Dongyan Bai

System Reuse Model Based on Multi-Hierarchy Case and Axiomatic Design Used in ATFM System ...... 387
Yifei Zhao, Hanpeng Cheng
SESSION 7: INFORMATION ECONOMICS

An Empirical Research on Short Term Power Load Forecasting Based on Chaos Theory .......................... 392
Herui Cui, Xiuli Song

Research on Electricity Price Forecasting Based on Chaos Theory ..................................................... 396
Herui Cui, Xiuli Song

Short-Term Load Forecasting by Integration of Phase Space Reconstruction, Support Vector Regression and Parameter Tuning System .................................................. 400
Wenyu Zhang, Jinxing Che, Jianzhou Wang, Jinzhao Liang

Least Squares Support Vector Regression Based CARRX Model for Stock Index Volatility Forecasting .......................................................... 404
Liyan Geng, Junhai Ma

Information Sharing in Multi-Level Supply Chain with Demand Uncertainty ........................................ 408
Xiongwei Zhou, Feicheng Ma, Xueying Wang

Research on the Source of Grain Output Growth Based on SFA Model ................................................. 412
Yu Zhao, Yu Zhang, Chunjie Qi

Research on Application of Compensative GM (1, N) Model in Technical Input Analysis:
Evidence from Henan Province in China .......................................................................................... 417
Wuwei Li, Yuera Wei, Yuhong Wang

Decomposition of Public Project Investment Based on Multi-Player Cooperative Games .................... 422
Haiyan Wang

A Computer Simulation Model of Competing Products Diffusion on Small-World Network .............. 426
Na Wang, Xingzhe Wang, Qiming Sun, Ling Zhao

An Empirical Study on Customer Satisfaction Index Model of Third Party Physical Distribution Enterprise ................................................................................................. 430
Shurong Han, Huayin Zhou

Can ETailers Benefit from Providing Rich Information? .................................................................... 435
Ke Ye, Huawei Zhu, Minxue Huang

Xuesong Huang, Maohong Liu, Minxue Huang

Research on the Quantitative Relationship Between China's Railway Transportation Industry and National Economic Development ............................................. 443
Weidong Li

The Performance of Several Combining Forecasts for Stock Index ...................................................... 448
Weihong Wang, Shuangshuang Nie

Marketing Channel Horizontal Conflicts and Countermeasures Discussion Based on Game Theory ............................................................................................................. 454
Longwen Zhao, Yan Long

Empirical Analysis of Informatization Strategy for China’s Manufacturing Enterprises ..................... 458
Hongyu Shao, Wei Guo

A Contingency Model on Knowledge Management-Firm Performance Relationship: An Empirical Study from China ........................................................................... 462
Yangcheng Hu, Liming Deng

Fuzzy Decision-Making Model for Risk Investment Projects ............................................................ 467
Sheng Zhu
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Optimal Incentive Mechanism to the Infraction of Knowledge Workers Based on Information Asymmetry</td>
<td>471</td>
</tr>
<tr>
<td>Lijun Xu, Keshen Jiang</td>
<td></td>
</tr>
<tr>
<td>How to Identify Equity Market Timing Risk: Case Study of Ping an Insurance's Financing</td>
<td>476</td>
</tr>
<tr>
<td>Sun Ziyuan, Huang Yuanyuan</td>
<td></td>
</tr>
<tr>
<td>Some Thoughts on the IT Planning in Chinese Private Enterprises</td>
<td>480</td>
</tr>
<tr>
<td>Jindong Li, Zhou Shengli, Feng Jixuan</td>
<td></td>
</tr>
<tr>
<td>Research of the Human Resource Management Based on the Sustainable Development of the Enterprise</td>
<td>484</td>
</tr>
<tr>
<td>Jun'e Liu, Rongrong Lu, Xiaorui Zhang</td>
<td></td>
</tr>
<tr>
<td>Empirical Analysis of Portfolio Optimization Based on DEA Model</td>
<td>488</td>
</tr>
<tr>
<td>Jinchuan Ke, Jiao Qiao, Guang Wang</td>
<td></td>
</tr>
<tr>
<td>Comparative Analysis of International Stock Market Volatility with ARCH Model</td>
<td>492</td>
</tr>
<tr>
<td>Jinchuan Ke, Zhe Chen, Rong Zhang</td>
<td></td>
</tr>
<tr>
<td>A Study on the Enhancement of Competitiveness of Small and Medium Enterprises through the Integration of Marketing Capability with Technological Innovation</td>
<td>496</td>
</tr>
<tr>
<td>Lei Wang, Xing Wang, Xiaoyan Wang</td>
<td></td>
</tr>
<tr>
<td>A Study on the Guiding Mechanism for Enterprises' Cooperative R&amp;D in Industrial Clusters</td>
<td>501</td>
</tr>
<tr>
<td>Lei Wang, Xing Wang</td>
<td></td>
</tr>
<tr>
<td>Innovation Research of the Human Resource Management in Hotel</td>
<td>505</td>
</tr>
<tr>
<td>Hua Jiang, Yonghao Sun, Xuyan Wu</td>
<td></td>
</tr>
<tr>
<td>Research of the Tacit Knowledge Management on the Knowledge Intensity Enterprise</td>
<td>510</td>
</tr>
<tr>
<td>Jing Yang, Yonghao Sun, Xuyan Wu</td>
<td></td>
</tr>
<tr>
<td>The Framework of Total Decision Support Based on Knowledge Management</td>
<td>514</td>
</tr>
<tr>
<td>Yinghong Zhong</td>
<td></td>
</tr>
<tr>
<td>The System Reform of Industrial Information Service Oriented to Enterprise Innovation</td>
<td>519</td>
</tr>
<tr>
<td>Qingling Yue, Ling Wang</td>
<td></td>
</tr>
<tr>
<td>SESSION 8: DATABASE MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>A Method for Measuring Data Quality in Data Integration</td>
<td>523</td>
</tr>
<tr>
<td>Lin Mo, Hua Zheng</td>
<td></td>
</tr>
<tr>
<td>Implementing Database Management System in P2P Networks</td>
<td>526</td>
</tr>
<tr>
<td>Xinpeng Shen, Zhanhuai Li</td>
<td></td>
</tr>
<tr>
<td>An Improved Ontology Mapping System Based on GRA</td>
<td>531</td>
</tr>
<tr>
<td>Qinghua Guan, Liangsheng Li, Kuiangyi Yu, Dezhi Xu, Si Chang</td>
<td></td>
</tr>
<tr>
<td>Research on Information Quality Driven Data Cleaning Framework</td>
<td>535</td>
</tr>
<tr>
<td>Hao Yan, Xing-chun Diao, Kai-qi Li</td>
<td></td>
</tr>
<tr>
<td>Research on Data Synchronization in Oracle Distributed System</td>
<td>538</td>
</tr>
<tr>
<td>Hao Yan, Xing-chun Diao, Guo-quan Jiang</td>
<td></td>
</tr>
<tr>
<td>Research on the Synergistic Work Mechanism of R&amp;D Teams</td>
<td>541</td>
</tr>
<tr>
<td>Huatao Peng, Jixin Xin</td>
<td></td>
</tr>
<tr>
<td>The Study on Spatial Data of Across-district Emergency Response Information Sharing System</td>
<td>545</td>
</tr>
<tr>
<td>Jing Liu</td>
<td></td>
</tr>
</tbody>
</table>
SESSION 9: WIRELESS COMPUTING AND NETWORK

A Topology Scheme Based on Cooperation Diversity in Heterogeneous Wireless Sensor Networks ................................................................. 554
Chengzhi Long, Lihong Li, Weiling Wu

Cycles in Enhanced Hypercube Networks ........................................................................................................................................ 558
Hongmei Liu

Development and Application of Mobile Nursing Information System Based on PDAs ............................................................................. 562
Qingfeng Wu, Han Liu, Huailin Dong

Adding Security Against Packet Dropping Attack in Mobile Ad Hoc Networks .......................................................................................... 566
Muhammad Zeshan, Shoab A. Khan, Ahmad Raza Cheema, Attique Ahmed

An Enhanced Self-deployment Algorithm in Mobile Sensor Network ........................................................................................................ 571
Minghua Yang, Yuanda Cao, Li Tan, Jiong Yu

Statistical Analysis of Software Coupling Measurement Based on Complex Networks ............................................................................ 575
Guoai Xu, Yang Gao, Fanfan Liu, Aiguo Chen, Miao Zhang

Design and Implementation of the Uncertain Resource Objects in the Network Resource Management ................................................................. 580
Hao Yan, Xing-chun Diao, Ge Li

Opportunistic Geographical Information Dissemination via Public Transportation Networks ............................................................................. 584
Guoqing Ma, Gang Zhao, Minhuan Huang, Dongxia Wang

Performance Comparison between FMT and OFDM with AMC in Physical Layer Specification of WMAN ........................................................................ 588
Xiaorong Xu, Baoyu Zheng, Lei Wang

Design and Implementation of High Performance IPSec Applications with Multi-Core Processors ................................................................................. 593
Yizhen Liu, Daxiong Xu, Wuying Song, Zhixin Mu

Research of Logistics Center Location Based on DEA and SFA .......................................................................................................................... 597
Weiwen Tao, Lixiang Bo, Denghua

A New OFDM Synchronization Scheme for PLC .................................................................................................................................... 602
Hui Wang, Qingsheng Hu, Xiaoyan Wang

SESSION 10: OTHER TOPICS

On Asymptotical Efficiency of Importance Sampling with p-order Relative Moment Minimization ................................................................................................................................. 606
Quan-sheng Gao, Xin Chen

Counterexample for Timed Probabilistic Reachability in Uniform CTMDP ........................................................................................................ 610
Junhua Zhang, Zhiqiu Huang, Zining Cao, Fangxiong Xiao

Research on Salespeople's Empowerment Readiness Based on Fuzzy Comprehensive Evaluation ................................................................................................................................. 614
Zhengliang Xu, Yilei Pei, Yong Su, Feng Xu
Research on Influencing Factors of Front-Line Salespeople's Empowerment Readiness ........................................618
Zhengliang Xu, Yilei Pei, Yong Su, Tianjiao Li

Building Generational Hierarchy Path by "Carry-Along Sort" .................................................................623
Prabhakaran Sethuraman, Lakshmi Rajamani

A Reusable Method of Requirement Modeling ..........................................................................................629
Wenzhong Tang, Jingwen Deng, Jingyi Qin

Modeling Tree Diameter Growth Using Nonlinear Mixed-Effects Models ..................................................634
Lichun Jiang, Fengri Li

On the Existence of Greatest and Maximal Elements ..............................................................................638
Haishu Lu

Review on Spatial Econometric Analysis ....................................................................................................642
Qingmin Hao

Development of MES Based on Component and Driven by Ontology .....................................................646
Wen Long

The t-Norms on a Bounded Posets .............................................................................................................650
Li-Xia Song, Kun-Lun Zhang

The Equivalent Definitions of Lattice Implication Algebra .........................................................................654
Li-Xia Song, Kun-Lun Zhang

The Implication and Structure of Innovation Culture in Chinese Scientific Organization .......................657
Bin Wang, Kan Shi, Xiaopeng Ren

Mining Related Queries from Query Logs Based on Linear Regression ..................................................663
Haijun Zhai, Jin Zhang, Xiaolei Wang, Gang Zhang

Author Index