2009 Fourth International Conference on Cooperation and Promotion of Information Resources in Science and Technology

(COINFO 2009)

Beijing, China
21 – 23 November 2009

IEEE

IEEE Catalog Number: CFP0935I-PRT
ISBN: 978-1-4244-5256-9

Fourth International Conference on Cooperation and Promotion of Information Resources in Science and Technology

COINFO 2009

Table of Contents

Message from the General Chair
Message from the Program Chairs and Conference Secretary
Organising Committee
International Advisory Committee
Program Committee

Session 1: Information Systems and Management

Building Service Oriented Applications for Disaster Management - An Earthquake Assessment Example 3
Ying Su and Zhanming Jin

A Synthetical Information Audit of a Chinese Operator Practical Study 9
Xiangling Fu and Xiaoyan Zhang

Design on Government Decision Support System of China Automotive Industry Security 16
Guo Yan and Guo Bin

Study on the Construction of the Regional Intellectual Property Information Platform 20
Liu Bing and Qian Weiwei

On-Line Data Stream Query Processing Using Finite State Automata 25
Ali A. Safaei, Mostafa S. Haghjoo, Mohamad Ghalambor, and Fatemeh Abdi

Business Process Identification Technique 31
Nadja Damij and Talib Damij

Study to Investigate the Determinants for the Use of Wireless Technology in Healthcare Setting: A Case of Pakistan 35
Abdul Hafeez-Baig, Raj Gururajan, Joseph M. Mula, and Meng Kuan Lin
An Application Model of SKOS-Based Ontology of Water Resources 42
Guoliang Shi
Gauging the Differences between Expectation and Systems Support: The Managerial Approach of Adaptive and Perfective Software Maintenance 45
Ammar Rashid, William Y. C. Wang, and Dan Dorner
Building a Secure Service for Document Format Translation 51
Ning Li, Qian Wu, and Xia Hou
Identifying System Characteristics for Development of a Sustainability Management Accounting Information System: Towards a Conceptual Design for the Manufacturing Industry 56
Nickie Petcharat and Joseph M. Mula
Developing a Registration System for the Scientific Content Using DOI 65
Yong Tu,Jie Peng, Runda Liu, and Hui Zhao
Reinventing Health, Ageing and Aged Care through Smart Homes and Intelligent Technologies 71
Jeffrey Soar
Design and Implementation of Telephone Integrated Information Management System 76
Cai Limin
A Study on Personalized Information Reorganization Mode under Network Environment 80
Cui Ruiqin, Lin Fang, and Huang Guobin
Web Log Preprocessing Method Based on Visiting Efficiency 86
Wen An and Ruyan Wang
A Design Science Approach for Consultant Selection Decision Support System 90
Mohd. Faizal Omar, Bambang Trigunarsyah, and Johnny Wong
Study on Knowledge Exchange and Learning in Knowledge Teams Based on Knowledge Chain 95
Rui Sun and Tongqing Wang
Scale-Free Characteristics Analysis of Stock Investment Networks in China 101
Lei Zhou and Hongqi Hui
Rescuability Assessment Model on Casualties and Application Based on RFID 104
Xue Zhang and An Chen

Session 2: Information Quality and Performance Management

Dynamic Capabilities and Firm Performance: An Empirical Study of Chinese New Ventures 113
Baoshan Ge and Baobao Dong

A Teaching Tool for Information Quality 118
Mouzhi Ge and Markus Helfert

Measuring Performance of Chinese Corporate Social Responsibility by Information Management and Modeling for Investment Analysis 122
Yue Qi, Yuanyuan Wang, and Dahui Li

Internal Data Markets: The Opportunity and First Steps 127
Andy Koronios, Tom Redman, and Jing Gao

Preparatory Investigation about Effects of Information Quality Improvements on Medical Process Performances by Simulation Validation 131
Gongqian Peng, Ying Su, Jie Peng, and Yan-ping Zhao

Research on the Advertisement Effect of Push Type Mobile Advertisement 137
Jung Woo Lee, Choong Sik Lee, and Yong Suk Park

An Analytical Review of Usage of Success Measures of IS/IT in Korean Research Practice: Review of Articles in Korean Journal of MIS Research from 1998 to 2007 143
Sang Woo Lee, Jungin Yoon, and Jungi Pak

How to Select and Determine Information Quality Dimension of Agricultural Science and Technology Information Sharing in China 146
Li-rong Song and Si-jing Li

Studying Hospital Process Management System Concerning Information Quality 151
Maria Ikram, Yan-ping Zhao, and Ying Su

Preventable Variation within Operating Rooms: Information Quality Perspective 156
Latif Al-Hakim and Xiao Yan Gong

Perceptions of Information Flow and Sharing in Non-profit Organisations: A Relational Capital Perspective 162
Eric Kong

A Study on the Motivation of Cooperative R&D between Private S&T Enterprises and State Military Enterprises - From the Standpoint of Informal Innovation Network 168
Duan Hong and Jin Zhanjing

Research on Influence Pattern for Internet Association Relation Monitoring 173
Yanping Zhao and Qianmiao Jiang

Data Mining and Visualization of Forest Cover Type Data Using SAS Enterprise Miner 180
Qingyu Zhang and Mei Cao
A Context Aware Information Quality Framework 187
Markus Helfert and Owen Foley
Literature Review of the Accounting Information Quality in China 194
Zhenguo Yu and Wu Lu
DQ Metadata for Decision Making: Pitfalls and Possibilities 198
G. Shankaranarayanan, Bin Zhu, and Yu Cai
Information Flow Perspective for Capturing the Impact of Corporate Environmental Performance on the Cost of Debt 204
Yinshuo Xu, Geoff Slaughter, and Latif Hakim
Optimal Data Quality in Project Management for Global Software Developments 210
Ismael Caballero, Aurora Vizcaíno, and Mario Piattini
Network Engineering Specialty Project Based Teaching Model Applying CDIO Idea 220
Xu Yabin
Research and Implementation of Information Quality Improvement 225
Bing Chen, Beizhan Wang, Chengman Zheng, and Xueqin Hu
A Framework for the Development of the Business Case for the Introduction of Data Quality Program Linked to Corporate KPIs & Governance 230
Veerawat Masayna, Andy Koronios, and Jing Gao
Assuring the Information Quality of Production Planning and Control in Tobacco Industries 236
Yuangang Dai and Ying Su
Exploration to Medical Process-Oriented Information Quality Evaluation System 242
Xia Li, Ying Su, and Jie Peng
Software Reliability Model Analysis Including Internal Structure Based on Bayesian Network 247
Yanping Yu, Guoping Zheng, and Zhengming Qian
Online Leasing for Durable Equipment with Transaction Cost 252
Liu Bin, Xin Chunlin, and Shen Fengwu

Session 3: Information Sharing and Open Access

DataCite - A Global Registration Agency for Research Data 257
Jan Brase
An Empirical Study of China's Stock Market Segmentation Based on Pooled-Panel TARCH Model 262
Yaqing Liu and Hongbing Ouyang

The Information Content of Charts: Algorithm and Evidence from Hong Kong Stock Market 268
Hongbing Ouyang
The Solutions to Intellectual Capital Sharing of Research Institutions 273
Zhang Xiaohong and Li Sijing
The Effect of Open Access Journals on Citation Impact: A Citation Analysis of Open Access Journals Using Google Scholar 278
Yang Yang and Zheng Yanning
Unifying Archaeological Databases Using Triples 281
Ingo Battenfeld, Ingrid Beckmann, Jan Schultze, and Holger Türk
The Impact of Inter-organizational Relationship on New Product Development Performance with the Intermediate Role of Information Sharing 285
Wu Jiaxi
A Framework Based on MVC of Document Processing 290
Xia Hou, Ning Li, Ying Ai Tian, and Hongbo Yang
Implications of Digital Technologies for Book Publishing 295
Xuemei Tian and Bill Martin
Using Topic and Sample Weighting Clustering to Detect Hotspots and Their Trend in a Special Domain 304
Chengzhi Zhang
Roles and Effects of BBS and Personal Websites in Academic Information Exchanges in China 310
Qin Song, Fukuan Zhao, and Yujun Zheng
Building an Information Resource Support System for Science and Technology in China: A Report of the Development of National Science and Technology Library 314
Meng Liansheng and Huang Guobin
Study on Digital Library Federation - A Perspective of Information Resource-Based Views 320
Wang Lin and Liu Chunmao

Session 4: Virtual Organisations and Supply Chain Management

Evaluation Research of Emergency Logistics System Based on Set Pair Analysis Model 327
Zhi-yong Zhang, Cheng Liu, and Lei Yang
Consumer Trust - Challenge for E-healthcare 333
Justyna Matysiewicz and Slawomir Smyczek
Collaboration in the Era of Internationalization: A Chinese Case 339
Wu Lu and Latif Al-Hakim
Modeling Time-Cost Trade-Off Problem with Fuzzy Activity Duration Times 344
Weimin Ma and Hua Ke

Contextual Factors Associated with Information Systems in a Virtual Supply Chain 348
Albert H. S. Scott and Joseph M. Mula
A Rural Region's Use of a Virtual Organisation for Telecommunications Development 355
Geoff Bamberry and Peter Dale
Compounding Logistics Transportation Management Based on Emergency Event 362
Jing Zhao, Lei Yang, and Jian-long Wang
Background of Independent Directors and Risk Aversion 367
Jinsong Tan and Fan Zhou
Study on Short-Term and Imminent Earthquake Prediction Using the Satellite Thermal Infrared Technique 372
Qiang Zuji, Zeng Zuoxun, Wang Jie, Ma Ai'nai, and Hongjie Xie
Case Study on Virtual Institute of Traditional Chinese Medicine 382
Xueqin Hu, Meng Cui, Aining Yin, and Bing Chen
Virtual Models of Scientific Data Sharing 387
Hui Zhao, Jie Peng, and Guoqing Huo
Quantitative Models for Operational Risk to Implement Tobacco Supply-Chain Strategies 391
Xiaodong Huang and Ying Su
The Distribution Plan of the Carrier Business Based on Emergencies 396
Lei Yang, Jing Zhao, Yuanyan Li, and Wenzhao Chen
Managing Supply Chain at High Technology Companies 400
Soin Singh and Latif Al-Hakim

Author Index