

Technical Program

SP11 Meeting Room 2, JiaBin Building
Service Operation Methodologies I From 2011-07-10 13:30:00 To 2011-07-10 15:10:00

Session Chair: Zhou MengChu *Tongji University & New Jersey Institute of Technology*

Session Co-Chair: Benjiang Ma *School of Business, Central South University*

A Three-Stage Method to Find Refining Schedules of Crude Oil Operations in Refinery

Naiqi Wu; Liping Bai; Mengchu Zhou

Reselection from Pareto efficient solutions of linear multi-objective programming

Benjiang Ma; Chunyan Cui; Chunqiao Tan; Xiaohong Chen

Bayesian estimation of multinomial probit model for Commuter mode choice

Lijun Yu; Qiuyan Xie

Towards Automatic Incremental Synchronization of Multiple Process Models via Information Flow Optimization

Qinhua Wang; Changrui Ren; Jin Dong; Feng Chen; Jinfeng Li; Miao He; Bing Shao

A Transit Fleet Replacement Model for Emissions Reduction

Jing Gong; Chaozhong Wu

SP21 Meeting Room 3, JiaBin Building
Financial, Healthcare and Public Service From 2011-07-10 13:30:00 To 2011-07-10 15:10:00

Session Chair: Dennis Güttinger *SAP Research*

Session Co-Chair: Li Li *IBM China Research Lab*

Enhancing the Rural Self Help Group – Bank Linkage Program

Vikas Agarwal; Vikram Desai; Shalini Kapoor; Ponnurangam Kumaraguru; Sumit Mittal

Incentives to Enable Food Traceability and Its Implication on Food Traceability System Design

Fengchun Wang; Rongzeng Cao; Wei Ding; Heng Qian; Yongchao Gao

Online Strategies for Optimizing Medical Supply in Disaster Scenarios

Dennis Güttinger; Eicke Godehardt; Andreas Zinnen

Police Patrol Service Optimization Based on the Spatial Pattern of Crime Hotspots

Li Li; Zhongbo Jiang; Ning Duan; Weishan Dong; Ke Hu; Wei Sun

SP12 Meeting Room 2, JiaBin Building
Service Operation Methodologies II From 2011-07-10 15:50:00 To 2011-07-10 17:30:00

Session Chair: Reggie Davidrajuh *University of Stavanger*

Session Co-Chair: G.R. Gangadharan *IBM Research*

Modeling Cross-Organizational Services Composition with Pi-Calculus

Feng Chen; Changrui Ren; Jin Dong; Qinhua Wang; Jinfeng Li; Bing Shao

An Optimized Modeling Method based on BPEL2WS

Sheng Liu; Gang Xiong; Dong Fan; Jianshi Yao

Representing Resources in Petri Net Models: Hardwiring or Soft-coding?

Reggie Davidrajuh

Participatory Service Design for Emerging Markets

G.r. Gangadharan; Anshu n. Jain; Nidhi Rajshree; Alan Hartman; Amit Agrahari

Empirical Analysis of The Financial Risk in The Coal Industry

Jinfa Shi

SP22 Meeting Room 3, JiaBin Building
Flexible Services and Manufacturing From 2011-07-10 15:50:00 To 2011-07-10 17:30:00

Session Chair: Uwe Dombrowski *Technische Universität Braunschweig*

Session Co-Chair: Ding Wei *IBM Research - China*

Changes and Challenges in the After Sales Service due to the Electric Mobility

Uwe Dombrowski; Christian Engel; Sven Schulze

A Collaborative Requirement Elicitation Technique for SaaS Applications

Xin Zhou; Li Yi; Ying Liu

An approach to calculate the value of a company

Ding Wei; Rong zeng Cao

Ranking with Relative Comparisons for Evaluating Supermarket Location Cities
Xinxin Bai; Guangyun Chen; Haifeng Wang; Meng Zhang; Wenjun Yin; Jin Dong

A Low-carbon Production Scheduling System Considering Renewable Energy
Xiaoqing Wang; Hongwei Ding; Minmin Qiu; Jin Dong

MA11 Meeting Room 2, JiaBin Building
Safety-related Services and Management From 2011-07-11 09:00:00 To 2011-07-11 10:20:00

Session Chair: Dalei Guo *Institute of Automation, Chinese Academy of Sciences*

Session Co-Chair: Chun hua Tian *IBM Research China*

Computational Experiments GPU-based for Long-term Safety Operation of Chemical Industry
Xiaochao Lang; Dalei Guo

An ACP-based Framework for Occupants Safety Evacuation under Fire in High-rise Buildings
Hu Yuling

ACP Approach based Plant Human Machine Interaction Evaluation
Xiwei Liu; Xiaowei Shen; Dong Fan

Pipe Failure Prediction
Chun hua Tian; Jing Xiao; Jin Huang; Felipe Albertao

MA21 Meeting Room 3, JiaBin Building
Cloud Computing & Knowledge Management From 2011-07-11 09:00:00 To 2011-07-11 10:20:00

Session Chair: Stacy Hobson *IBM T. J. Watson Research Center*

Session Co-Chair: Ning Duan *IBM Research China*

Information Quality Issues in Municipal Governments
Stacy Hobson; Rangachari Anand; Xuan Liu; Jeaha Yang; Juhnyoung Lee

Tenant Behavior Analysis in SaaS Environment
Ning Duan; Xin Zhang; Wei Sun; Ke Hu

Survey on Secure Data Aggregation for Wireless Sensor Networks
Jia Guo; Jian'an Fang; Xuemin Chen

PH01 JiaBin Building Lobby
Poster Session From 2011-07-11 09:00:00 To 2011-07-11 17:30:00

Session Chair: Tian-jian Yang *Beijing University of Posts and Telecommunications*

Session Co-Chair: Xiazhong Zheng *China Three Gorges University*

Application of Fuzzy Comprehensive Evaluation Based on Variable Weight in Risk Assessment for Contract Project
Xiazhong Zheng; Huafei Li; Qiaoling Chen

Evaluation of Chemical Emergency Operation considering behavioral effect
Wei wei Wei wei; Ding wen ; Changjian cheng

Design of a High-precision Fuzzy Controller in Tobacco First Baking
Che Guolin

An Empirical Research on Investment, Employment and Economic Growth in Beijing
Ruilong Li; Ningjie Yu; Rui Chen

A Hybrid Particle Swarm Optimization Approach for Design of Agri-food Supply Chain Network
Xia Zhao; Jianping Dou

Factors Analysis of Urban Transport System in Beijing: Based on System Dynamics
Tian-jian Yang; Lin Wu

Study On The Integration Model Of ERP And APS Based On CORBA Static Invocation
Wei Wang; Wei Liu

Mechanism of Logistics information in reverse tracking system under E-commerce
Yang Yang; Wang Haoyu

On The Service As A Logical Thing
Liu Bangfan; Zhang Jing; Liu Naixi

MA12 Meeting Room 2, JiaBin Building
Industrial Applications From 2011-07-11 11:00:00 To 2011-07-11 12:00:00

Session Chair: Xiwei Liu *Institute of Automation, Chinese Academy of Sciences*

Session Co-Chair: Xisong Dong *Institute of Automation, Chinese Academy of Sciences*

Vulnerability Analysis of Power Grid Based on Multi-Agent Complex Systems

Xisong Dong; Gang Xiong; Jiachen Hou; Dong Fan; Timo r. Nyberg

Servitization Strategy: Strategic Priority, Capacity Requirements, and Organizational Features

Yong Lin; Jing Luo; Li Zhou; Shihua Ma; Zhenkun Zhou

A Performance Appraisal Method Based on ACP Theory and PageRank Algorithm

Xiaowei Shen; Xiwei Liu; Dong Fan; Changjian Cheng; Gang Xiong

MA22 Meeting Room 3, JiaBin Building
E-Commerce, E-Government and Material Management From 2011-07-11 11:00:00 To 2011-07-11 12:00:00

Session Chair: Yongrae Cho

KAIST (Korea Advanced Institute of Science and Technology)

Session Co-Chair: Xinxin Bai

IBM Research - China

Recommendation Algorithms For Implicit Information

Xinxin Bai; Jinlong Wu; Haifeng Wang; Jun Zhang; Wenjun Yin; Jin Dong

Identifying Innovation Strategy by Examining Business Ecosystem: Exploratory Research on Korea Smart-phone Market via Network Analysis

Yongrae Cho; Gunwoo Yoon; Wonjoon Kim; Mirikitani John

Evaluating Public Service Delivery in Emerging Markets

Arun Sharma; G.r. Gangadharan; Krishna Kummamuru; Jyothi b. Somasekhara; Alan Hartman

MP11 Meeting Room 2, JiaBin Building
Modeling & Implementation I From 2011-07-11 13:30:00 To 2011-07-11 15:10:00

Session Chair: Jianchao Han

California State University Dominguez Hills

Session Co-Chair: Junhua Ding

Dept. of Computer Science, East Carolina University

Connected Health Services

Timo Nyberg; Jani Luostarinen; Gang Xiong

The effect of ERP software interface design and cognitive function on performance of user learning

Cheng-hua Wang; Lu-wen Liao; Yi-ying Chu

Detect Irregularly Shaped Spatio-Temporal Clusters For Decision Support

Weishan Dong; Xin Zhang; Zhongbo Jiang; Wei Sun; Lexing Xie; Arun Hampapur

A Formal Model for Building a Social Network

Junhua Ding; Ismael Cruz; Chengcheng Li

A GOMS-Based Granular Computing Model for Human-Computer Interaction Design

Jianchao Han

MP21 Meeting Room 3, JiaBin Building
Logistics Management I From 2011-07-11 13:30:00 To 2011-07-11 15:10:00

Session Chair: Omir Alves

University of Santa Catarina State - UDESC

Session Co-Chair: Lijun Yu

South China University of Technology

CREATION OF LOGISTICS NETWORKS BASED ON PERFORMANCE MEASUREMENT ANALYSIS

Omair Alves; Ricardo Rabelo

Bayesian and classical estimation of mixed logit model For Simulated experimental data

Lijun Yu; Leiyun Wang

Study on Synthetic Evaluation Model of Emergency Logistics Network Scheme based on AHP- Entropy Technology

Juan Wang; Wei Wang; Xuejun Feng

Decision Making on Site Selection of a Civil Explosive Distribution Center Based on SOM Neural Network

Wu Ying; Cheng Cisheng

MP12 Meeting Room 2, JiaBin Building
Modeling & Implementation II From 2011-07-11 15:50:00 To 2011-07-11 17:30:00

Session Chair: Timo Nyberg

Aalto University

Session Co-Chair: Haifeng Wang

IBM Research - China

DESIGN AND REALIZATION OF FZy-CTC SYSTEM OF CHENGGUAN RAILWAY LINE

Wei Xu; Nan Zhang

Short Messages in Health Promotion

Timo Nyberg; Jani Luostarinen; Gang Xiong

BP neural network model based on cluster analysis for wind power prediction

Haifeng Wang; Xia Yang; Jun Zhang; Meng Zhang; Xinxin Bai; Wenjun Yin; Jin Dong

Multi-party Collaborative Debug Service for Java Application

Chun hua Tian; Feng Li; Hao Zhang; Zhong jie Li

A Hybrid Model for IT Project with Scrum

Tomohiro Hayata; Jianchao Han

MP22 Meeting Room 3, JiaBin Building
Logistics Management II From 2011-07-11 15:50:00 To 2011-07-11 17:30:00

Session Chair: Jiun-Yan Shiau *National Kaohsiung First University of Science and Technology*

Session Co-Chair: Minmin Qiu *IBM Research - China*

Simulation Study on Reshuffling Problem in Logistics Operations of A Container Terminal Yard

Wei Jiang; Yun Dong; Lixin Tang

Mode Choice For The Intermodal Transportation Considering Carbon Emissions

Jun Zhang; Hong wei Ding; Xiao qing Wang; Wen jun Yin; Tian zhi Zhao; Jin Dong

Event-driven Monitoring and Scheduling in Express and Logistics Industry

Minmin Qiu

TA11 Meeting Room 2, JiaBin Building
Supply Chain Management I From 2011-07-12 09:00:00 To 2011-07-12 10:20:00

Session Chair: Jinfeng Li *IBM Research - China*

Session Co-Chair: Wei Wang *Tsinghua University*

Evaluating The Value of Collaboration in Supply Chain Through Business Process Simulation

Wei Wang; Yueting Chai; Jin Dong; Hongwei Ding; Changrui Ren; Minmin Qiu

An Innovative Stochastic Dynamic Model to Multi-stage Supply Chain Finance

Miao He; Changrui Ren; Qinhua Wang; Jin Dong

A Lagrangean-based Heuristic For A Two-Stage Facility Location Problem With Handling Costs

Jinfeng Li; Changrui Ren; Jin Dong; Feng Chen; Qinhua Wang; He Miao; Fei Liu

Establish trust from whole chain traceability

Cao Rongzeng

TA21 Meeting Room 3, JiaBin Building
Transportation Systems From 2011-07-12 09:00:00 To 2011-07-12 10:20:00

Session Chair: Zi Zhang *Communications Commission of Guangzhou Municipality*

Session Co-Chair: Fenghua Zhu *Institute of Automation, Chinese Academy of Science*

The Design of An Algorithm of Traffic Incident Automatic Detection Based on Mobile Detection

Zi Zhang; Xiaoli Lin; Bin Hu

Public Bus Arrival Time Prediction Based on Traffic Information Management System

Feng Li

Research on Bus Rapid Transit (BRT) and its Real-Time Scheduling

Xisong Dong; Gang Xiong; Dong Fan; Fenghua Zhu; Yisheng Lv

A Case Study for Traffic Signal Control System Evaluation based on Artificial Transportation Systems

Fenghua Zhu; Zhenjiang Li

TA12 Meeting Room 2, JiaBin Building
Supply Chain Management II From 2011-07-12 11:00:00 To 2011-07-12 12:00:00

Session Chair: Gajanan Panchal *Indian Institute of Technology Delhi*

Session Co-Chair: Fen-fang MU *School of Management, University of Science and Technology of China*

Revenue Distribution and Coordination Research of General Project Contractor Based on Different Strategies

Fen-fang Mu; Ping Lu; Yin-qiu Song

Multi-dimensional Analysis of Utilities in Pricing Game

Gajanan Panchal; Vipul Jain

TA22 Meeting Room 3, JiaBin Building
Supply Chain Management III From 2011-07-12 11:00:00 To 2011-07-12 12:00:00

Session Chair: Guoqing Zhang *Dept of Industrial and Manufacturing System Engineering, University of Windsor*

Session Co-Chair: Akram ZOUGGARI *INRIA*

Simulation based Fuzzy Tool for Supplier Selection with Order Allocation
Akram Zouggari; Lyes Benyoucef

An Integrated Model for Optimizing Advertising Cooperation in A VMI (Vendor Managed Inventory) Supply Chain
Wen Lin; Zhaofu Hong

Network design of a closed-loop supply chain with uncertain demand and return
Guoqing Zhang; Saman hassanzadeh Amin
