

2009 IEEE International Conference on Service Operations, Logistics and Informatics

Final Program



Chicago, USA, July 22–24, 2009



IEEE Intelligent Transportation Systems Society



2009 IEEE International Conference on Service Operations, Logistics and Informatics

Sponsored by IEEE Intelligent Transportation Systems Society
July 22–24, 2009, Chicago, USA

<http://liu.ece.uic.edu/SOLI09/> and <http://www.ieeesoli.org/soli09/>

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Conference Webmaster:	Ting Huang, University of Illinois at Chicago, USA



2009 IEEE International Conference on Service Operations, Logistics and Informatics

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GREETINGS FROM THE GENERAL CHAIRS

On behalf of the organizing committee, we are very pleased to welcome you to the 2009 IEEE International Conference on Service Operations, Logistics and Informatics (IEEE SOLI 2009). We hope you enjoy the next few days and find them stimulating and fruitful.

The technologies in service operations, logistics and informatics have been playing important roles in our modern civilization and expected to stay as main characters in the future. The conference intends to bring together all researchers and developers in these fields all around the world to share their research results, to exchange ideas and to explore possible collaborations in academy and in industry. With the tremendous work of the members of the International Program Committee, the final program has a unique set of technical sessions covering latest research and development results in service operations, logistics and informatics. It contains a number of high level theoretical papers as well as many interesting application papers.

Following the IEEE SOLI tradition, two excellent plenary talks are arranged on Wednesday morning starting at 9:45. The first talk is on “A New Mechanism for Intelligent Control of Complex Systems: Parallel Control and Management”, given by Prof. Fei-Yue Wang, Institute of Automation, Chinese Academy of Sciences, China. The second talk is on “Software for Emergency Response”, delivered by Prof. William Tepfenhart, Monmouth University, USA. At the banquet on Thursday evening, Kris Singh from IBM Almaden Research Center will deliver a keynote speech.

We would like to take this opportunity to thank the members of the organizing committee and the international program committee for their fantastic work. Our sincere thanks also go to many volunteers for their diligence and dedication in the preparation of this conference. Finally, we want to thank the Board of Governors of the IEEE Intelligent Transportation Systems Society for their helps and guidance.



Prof. Derong Liu
General Chair



Dr. Jim Spohrer
General Co-Chair



Prof. Daniel Zeng
General Co-Chair

IEEE SOLI 2009 INTERNATIONAL PROGRAM COMMITTEE

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Ding, Qing
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Henshaw, Michael
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Min, Yan

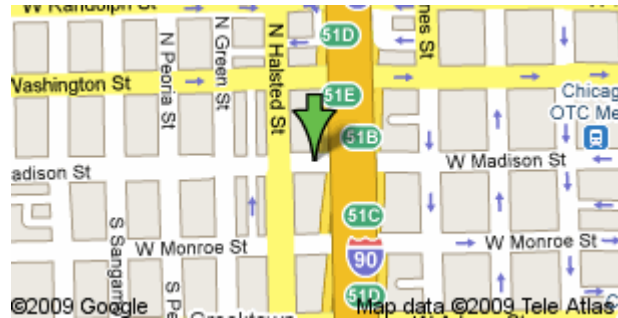
Narasimhan, Lakshmi
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Shi, Leyuan
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Sun, Tong
Tabrizi, Nasseh
Teng, Shaohua
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Thomas, Barrett
Tu, Guofang
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Xu, Qi
Yang, Lili
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Yang, Ta-Hui
Yang, Yongmin
Ye, Cang
Yi, Jianqiang
Yu, Lei
Yu, Meng
Zhang, Huaguang
Zhang, Jun
Zhang, Yu
Zhao, Dongbin
Zhou, Lina
Zhou, Xianzhong
Zhou, Xuefu
Zhu, Haibin
Zhu, Rihong

CONFERENCE HIGHLIGHTS

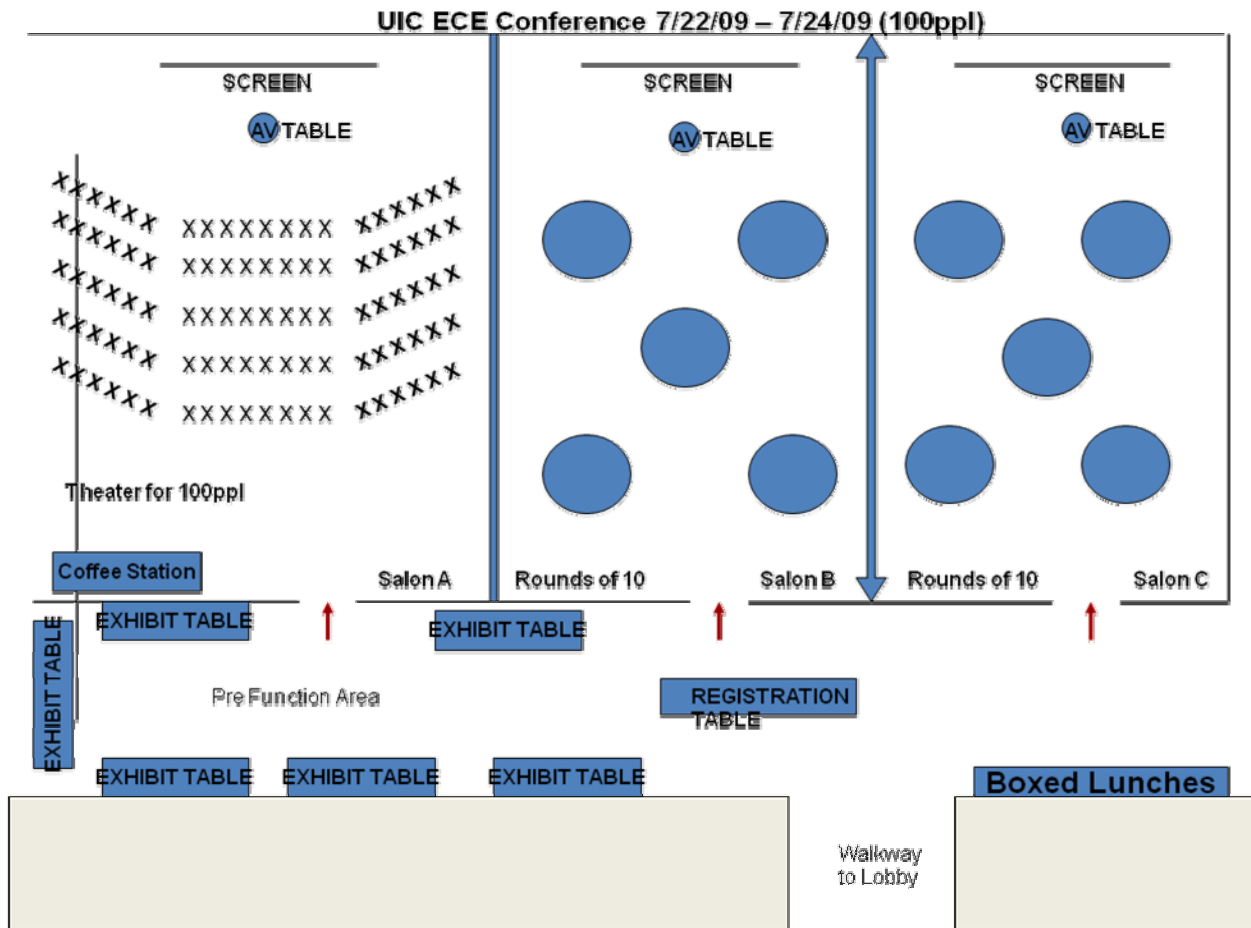
A total of 237 papers were submitted to the 2009 IEEE SOLI from different parts of the world. Each paper was reviewed by two or three reviewers. The final program includes 143 papers. There are two plenary talks, 10 lecture sessions, two special sessions, one best student paper contest session, and one interactive session. Each lecture session and special session consists of six to eight papers. Papers were assigned with the purpose of forming coherent sessions.

CONFERENCE LOCATION

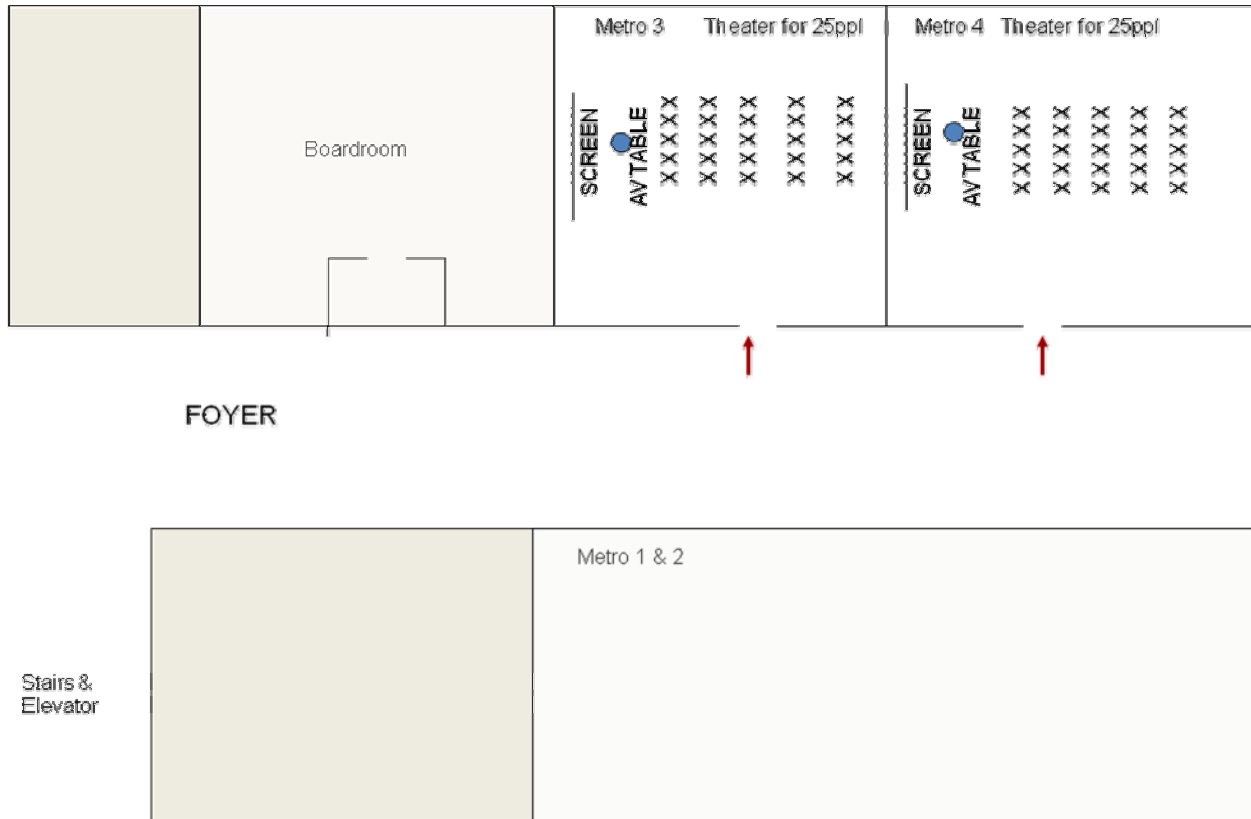
The conference will be held at:
 The Crowne Plaza Chicago Metro Hotel
 733 West Madison, Chicago, IL 60661
 Toll Free: 1-800-972-2494
 Fax: 1-312-602-2199



Floor Map of 1st level (Salon A, B, C)



**UIC ECE 2nd Level Breakout Rooms
7-22-09 to 7-24-09**



CONFERENCE REGISTRATION

The conference registration service will be open during the following time slots:

- 15:00 – 17:00, Tuesday, July 21, 2009
- 8:30 – 17:00, Wednesday, July 22, 2009
- 8:30 – 12:00, Thursday, July 23, 2009

SOCIAL EVENTS

- Welcome reception: 18:00 – 19:30, Tuesday, July 21, 2009
- Conference banquet: 18:00 – 20:00, Thursday, July 23, 2009

HISTORY OF IEEE SOLI

2005 IEEE International Conference on Service Operations, Logistics and Informatics
August 10–12, 2005, Beijing, China
GCs: Robin G. Qiu and Li Zheng
PCs: Pitu Mirchandani and Ming Yu

2006 IEEE International Conference on Service Operations, Logistics and Informatics
June 21–23, 2006, Shanghai, China
GCs: Grace Lin, Robin G. Qiu, and Peng Tian
PCs: Huizhang Shen and Francois Sainfort

2007 IEEE International Conference on Service Operations, Logistics and Informatics
August 27–29, 2007, Philadelphia, USA
GC: Fei-Yue Wang
Co-GCs: Robin G. Qiu and Xiaohua (Tony) Hu
PC: Jim Spohrer
Co-PCs: Daniel Zeng and Lefei Li

2008 IEEE International Conference on Service Operations, Logistics and Informatics
October 12–15, 2008, Beijing, China
GCs: Xuewei Li, Runtong Zhang, and Robin G. Qiu
PCs: Dan Chang and Yacan Wang

2009 IEEE International Conference on Service Operations, Logistics and Informatics
July 22–24, 2009, Chicago, USA
GC: Derong Liu
Co-GCs: James C. Spohrer and Daniel Zeng
PC: Leyuan Shi
Co-PCs: Warren B. Powell and Jiacun Wang

HOTEL RESERVATIONS

The information on hotel reservation is available at <http://liu.ece.uic.edu/SOLI09/hotel.html> and <http://www.ieeesoli.org/soli09/>

TRANSPORTATION

- Union Station Train Station (Amtrak) - 0.5 miles
- O'Hare International Airport (ORD) - 17 miles
- Midway International Airport (MDW) - 10 miles

Driving directions

- **From the North.** Follow signs for I-94 E/US-41 S to Chicago. Continue to follow I-94 E. Take exit 51D for Madison St, then turn right at W Madison St. Arrive at the Crowne Plaza Chicago Metro Hotel, 733 W Madison St, Chicago, IL 60661.
- **From the West.** Follow 190E. Then merge onto I-90E (Kennedy Expressway) until you reach the Chicago Loop. Take exit 51D for Madison St, then turn right at W Madison St. Arrive at the Crowne Plaza Chicago Metro Hotel, 733 W Madison St, Chicago, IL 60661.
- **From the South.** From the I-90 W/Toll Rd to Chicago, take exit 51D for Madison St. Turn left at W Madison St. Arrive at the Crowne Plaza Chicago Metro Hotel, 733 W Madison St, Chicago, IL 60661.

ABOUT CHICAGO

Chicago is the largest city in the U.S. state of Illinois, and is located along the southwestern shore of freshwater Lake Michigan. With over 2.8 million people, Chicago is the third-most populous city in the U.S., and the largest city in the Midwest. The Chicago metropolitan area (commonly referred to as Chicagoland) has a population of over 9.5 million people living in three U.S. states (Illinois, Indiana and Wisconsin) and was the third largest U.S. metropolitan area in 2000. Chicago is 26th by population and 686th by population density among the world's largest urban areas and the fourth largest city in North America.

There is so much to experience in Chicago and it's difficult to know where to begin.

You may want to start with an overview of the city. First, see the expanse of the Chicagoland area from 1,000 feet above at the John

Hancock Observatory or the Sears Tower Skydeck. At Navy Pier, Time Escape is a 3-D motion simulation experience allowing you to travel through Chicago's history, present and future. There are a variety of boat tours departing from Navy Pier and other city locations, as well as city bus tours, which point out significant landmarks and provide interesting information about Chicago and its history.



PLENARY AND KEYNOTE SPEAKERS

PLENARY SPEAKER

Prof. Fei-Yue Wang, Chinese Academy of Sciences, China



Fei-Yue Wang received his Ph.D. in Computer and Systems Engineering from Rensselaer Polytechnic Institute, Troy, New York in 1990. He joined the University of Arizona in 1990 and became a Professor and the Director of the Program for Advanced Research in Complex Systems (PARCS) in 1999. In 1999, he found the Intelligent Control and Systems Engineering Center at the Chinese Academy of Sciences, Beijing, China, under the support of the Outstanding Oversea Chinese Talents Program. Since 2002, he is the Director of the Key Laboratory of Complex Systems and Intelligence Science at the Chinese Academy of Sciences.

Currently, he is the Vice President for research, education, and academic exchange at the Institute of Automation, Chinese Academy of Sciences.

His current research interests include social computing, web and services science, modeling, analysis, and control of complex systems, especially social and physical/cyber systems. He was the Editor in Chief of the International Journal of Intelligent Control and Systems from 1995 to 2000, Editor in Charge of the Series in Intelligent Control and Intelligent Automation from 1996 to 2004, EiC, Associate EiC, or Associate Editors of 10 IEEE Transactions and Magazines. Since 1997, he has served as General or Program Chair of more than 20 IEEE, INFORMS, ACM, ASME international conferences. He was the President of IEEE ITS Society from 2005 to 2007 and the President of Chinese Association for Science and Technology (CAST, USA) in 2005. Currently, he is the President of the American Zhu Kezhen Education Foundation.

Dr. Wang is a member of Sigma Xi and an elected Fellow of IEEE, INCOSE, IFAC, ASME, and AAAS. In 2007, he received the National Prize in Natural Sciences of China and was elected as the Outstanding Scientist by ACM for his work in intelligent control and social computing.

PLENARY SPEAKER

Prof. William Tepfenhart, Monmouth University, USA



William Tepfenhart received the PhD in Physics from the University of Texas at Dallas in 1987. He is currently the Chair and an Associate Professor of the Department of Software Engineering at Monmouth University, West Long Branch, New Jersey, USA. From 1991 to 1999, he was a member of the technical staff with AT&T Bell Labs in Middletown, New Jersey. Prior to joining AT&T, he was a senior scientist at Knowledge Systems Concepts, Inc in Rome New York. His experience ranges across a broad spectrum of activities. He has performed in the role of instructor, researcher, software

developer, and author. Trained as a physicist, his areas of expertise include object-oriented software development, artificial intelligence, and software engineering. His knowledge of

modeling physical systems has formed the basis for major contributions in the area of software development.

Dr. Tepfenhart is the founder and Chief Technology Officer of the Rapid Response Institute at Monmouth University. The mission of the institute is to provide rapid response capabilities for responding to Natural or Man-Made events in support of the first responders. He was invited to present his findings to the United Nations Monitoring, Verification and Inspection Committee in February 2007. The Senate of the State of New Jersey passed a resolution that honors and salutes him in recognition of his outstanding contributions to developing an emergency management program which protects the public's health and welfare in the United States and worldwide in July 2007.

KEYNOTE SPEAKER

Dr. Krishna Singh, IBM Almaden Research Center, USA



Kris Singh has over 25 years of experience in the high technology industry as well as in academia. Currently Kris is the Strategic Programs Director at IBM Almaden Research Center in San Jose, CA. Before IBM Research, Kris has worked with Intel, AMD and National Semiconductor in various roles such as Director of Server Architecture & Planning and Data Center Technology at Intel, Director in the CTO Office at AMD and senior technical management roles at National Semiconductor.

Kris is also the President of Service Research & Innovation Institute which is a global professional organization with members from the industry, academia, institutes and government organizations (www.thesrii.org).

He is an Industry Fellow in the College of Engineering at UC Berkeley, CA and has been an adjunct professor in the Electrical Engineering & Computer Science Department at Santa Clara University, CA. He is also the member of the Advisory board for the Informatics Research at Manchester University, UK.

Kris has been an invited speaker at various technology conferences around the world.



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CONFERENCE PROGRAM AT A GLANCE

Tuesday, July 21, 2009

15:00 – 17:00: Registration
18:00 – 19:30: Welcome Reception

Wednesday, July 22, 2009

09:45 – 10:45: Plenary Speech 1 (Room: Salon A)	
Title: A New Mechanism for Intelligent Control of Complex Systems: Parallel Control and Management Speaker: Fei-Yue Wang, Chinese Academy of Sciences, China Chair: Derong Liu, Chinese Academy of Sciences, China, and University of Illinois at Chicago, USA	
10:45 – 11:30: Coffee Break	
11:30 – 12:30: Plenary Speech 2 (Room: Salon A)	
Title: Software for Emergency Response Speaker: William Tepfenhart, Monmouth University, USA Chair: Leyuan Shi, University of Wisconsin-Madison, USA	
12:30 – 14:00: Lunch	
14:00 – 15:30: Parallel Paper Sessions	
Room Metro 3	Room Metro 4
WA01 Service Design and Operations I	WA02 Logistics and Supply Chain I
15:30 – 16:00: Break	
16:00 – 17:30: Parallel Paper Sessions	
Room Metro 3	Room Metro 4
WE1 Service Design and Operations II	WE02 Logistics and Supply Chain II

Thursday, July 23, 2009

09:00 – 10:30: Parallel Paper Sessions	
Room Metro 3	Room Metro 4
RM01 Information and Communications Technology I	RM02 E-Commerce and Knowledge Management
10:30 – 11:00: Coffee Break	
11:00 – 12:30: Parallel Paper Sessions	
Room Metro 3	Room Metro 4
RN01 Special Session: Transportation Systems	RN02 Special Session: Business Solutions, Applications and Case Studies
12:30 – 14:00: Lunch	
14:00 – 15:30: Parallel Paper Sessions	
Room Metro 3	Room Metro 4
RA01 Service Design and Operations III	RA02 Best Student Paper Contest Session
15:30 – 16:00: Coffee Break	
16:00 – 17:30	
Parallel Paper Session Room Metro 3	Interactive Paper Session Room Metro 4
RE01 Information and Communications Technology II	RE02 Service Operations and Logistics
18:00 – 20:00: Banquet Keynote speaker: Kris Singh, IBM Almaden Research Center	

WA01
Service Design and Operations I

Hybrid Rule Engine for Operational Policy Management, pp.1-6
Chunhua Tian; Hao Zhang ; Feng Li ; Tie Liu; Chen Wang

Service process redesign applying value stream analysis: the case of a patient discharging process, pp.7-12
Tuangyot Supeekit; Kanokwan Kingpadung

Knowledge-Based Hybrid Variance Handling for Patient Care Workflows based on Clinical Pathways, pp.13-18
Yan Ye; Zhibin Jiang; Xiaodi Diao; Gang Du

The Pursuit of Value Co-Creation: Engineering Service Applications to Achieve Customer Satisfaction, pp.19-25
Yolanda Rankin; Neil Boyette; Isaac Cheng; Vikas Krishna

Optimization to the Train Operating Schedule of Intercity High Speed Railway, pp.26-31
Ruhe Xie; Guixiu Luo; Zhongren Peng

A Systems Approach for Balancing Internal Company Capability and External Client Demand for Integrated Product-Service Solutions, pp.32-36
Maged Morcos; Michael Henshaw

Hospital Stockpiling for Influenza Pandemics with Pre-Determined Response Levels, pp.37-42
Po-ching Delaurentis; Elodie Adida; Mark Lawley

WA02
Logistics and Supply Chain I

How Do Enterprises Coordinate in Their Supply Network Based on 3POS Conception?, pp.43-46
Xiaomei Li; Ershi Qi; Zhaofang Mao

New Approach in Supplier Selection Using Linear Physical Programming, pp.47-51
Abbas Mirakhorli; Mehdi Hoseinabadi Farahani; Faraz Ramtin

An RFID based Framework for Race Tyre Companies Customer Satisfaction Survey, pp.52-57
Alessandro Andreoli; Folco Fioretti; Samuele Pasqualini; Paola Pierleoni

An Incentive Model of Partial Information Sharing in Supply Chain, pp.58-61
Xiongwei Zhou; Feicheng Ma; Xueying Wang

Wireless Vehicular Networks to Support Road Haulage and Port Operations in a Multimodal Logistics Environment, pp.62-67
Adrian Coronado Mondragon; Etienne Coronado Mondragon; Chandra Lalwani

Embedding the New Discipline of Service Science: A Service Science Research Agenda, pp.68-73
Irene Ng; Roger Maul

One-for-One Period Policy in a Two-echelon inventory system with Poisson demand and Constraint on Total Lost Sales, pp.74-77
Rasoul Haji; Babak Haji

WE01
Service Design and Operations II

Consumer Motivation and Site Transfer Behavior: Weblog Analysis for Online Service, pp.78-84
Hoeun Chung; Jungkun Park

Modelling, Variation Monitoring, Analyzing, Reasoning for Intelligently Reconfigurable Clinical Pathway, pp.85-90
Gang Du; Zhibin Jiang; Xiaodi Diao; Yan Ye; Yang Yao

An Approach for Modeling and Analyzing Crosscutting Concerns, pp.91-97
Yujian Fu; Junhua Ding; Phil Bording

A RFID Model of Transferring and Tracking Trauma Patients after a Large Disaster, pp.98-101
Yuh-wen Chen; Guan-jie Wang; Tzung-hung Li; Tzung-min Yang; Ting-wei Shiu; Meng-Shian Tasi; Ya-Wen Jeng; Chao-Wen Chen

The Reliability of a Friction Measurement Device on the Assessment of Slip & Fall Risk, pp.102-106
Kai-way Li; Wen-ruey Chang; Chien-chi Chang

Minimizing Makespans for Unrelated Parallel Machine Scheduling Problems, pp.107-110
Yangkuei Lin; Michele Pfund; John Fowler

A Framework for Streamlining Globally Integrated Services, pp.111-116
Biplav Srivastava

WE02
Logistics and Supply Chain II

Employing Genetic Algorithms to Minimise the Bullwhip Effect in an Online Efficient-Responsive Supply Chain, pp.117-122
Jianping Lu; Paul Humphreys; Ronan Mcivor; Liam Maguire

Designing an Intelligent Negotiation Model in e-Supply Network Coordination, pp.123-128
Shima Mohebbi; Rasoul Shafaei

Evaluate Cost and Time in Supply Chain Selection under Price-dependent Demand for One Product family, pp.129-134
Li Qian

Mining Trips From Telematics Dataset For Value-Added Logistics Applications In Asset Tracking Systems, pp.135-139
Qing Cao; Patricia D. Mackenzie; Joseph J. Salvo

Agent Based Emergency Response Workflow Management, pp.140-146

William Tepfenhart.; Jiacun Wang; Daniela Rosca

Holistic Logistics Planning – a methodology for optimal resource implementation of strategic business objectives, pp.147-151
Uwe Dombrowski; Henning Vollrath

Redesign of Broken-Case Picking System for A Cosmetic Manufacturer's Distribution Centre, pp.152-156
Jinping Liu; Shengyu Hao

Understanding supply chain robustness, pp.157-162
Guilherme Vieira; Reynaldo Lemos

RM01
Information and Communications Technology I

Web portal quality, pp.163-168
Junghyun Nam

An Evaluation Method of Operational Effectiveness for the Emergency Plans, pp.169-172
Yan Yan Huang; Jian Yu Wang; Jun Wang; Yue Wei Dai

A Fair Non-Repudiation Security Protocols with off-line TTP, pp.173-178
Xi Wang; Xiangming Wen; Ye Liu; Xinqi Lin; Ying Wang

Consensus Value of Multi-agent Networked Systems with Time-delay, pp.179-184
Fuxiao Tan; Derong Liu; Xinping Guan

AN INNOVATIVE POSITIONING METHOD BASED ON LINEAR FREQUENCY MODULATION FOR WIRELESS SENSOR NETWORKS,
pp.185-189
Lichuan Liu; Sen M. Kuo; Zhigang Wang

Modeling and Integration of Hospital Information Systems with Petri Nets, pp.190-195
Houshang Darabi; William Galanter; Janet Lin; Ugo Buy; Rupa Sampath

Alternative Choice for Energy Optimization in Embedded System, pp.196-201
Wang Liqin; Shen Lin

A Computer Aided Three-dimensional Auto Body Modeling Approach, pp.202-206
Li Hong; Zhu Anliang; Chen Jingxin; Hong Renlu

RM02
E-Commerce and Knowledge Management

Study on The Government Supervision on Third-party Payment in China Under Cost-utility Model, pp.207-212
Yiqun Li; Wenlei Ge

A Process-Driven Content-Oriented Integration Framework for Knowledge Management Systems, pp.213-218
Jiang Jichen; Gao Ming

Using Affinity Set on Mining the Necessity of Computed Tomography Scanning, pp.219-223
Yuh-wen Chen; Moussa Larbani; Tzung-hung Li; Chao-wen Chen

Discussion on Strategies of Information Retrieval in Construction Projects, pp.224-229
Wenqing Yuan

Information Resources Planning Based on Enterprise Architecture, pp.230-234
Xueying Wang; Xiongwei Zhou

Dynamic Analysis of Enterprise IT Capability System on Evolvement View, pp.235-238
Chen Jianbin; Fang Deying; Shi Tong

Design Management of Information & Communications Technology and Systems (ICTS) in E-commerce, pp.239-243
Gang Chen

Service design needs for luxury e-commerce: an empirical study, pp.244-248
Alexandra Broillet; Magali Dubosson; Sacha Varone

RN01
Special Session: Transportation Systems

A Case Study of Inter-city Bus Scheduling for Taiwan Allied Carriers, pp.249-254
Chia-hung Chen; Shangyao Yan; Chih-hwang Tseng

Comparing Network Performance under the Provision of Predictive and Prevailing Travel Information, pp.255-260
Chung-cheng Lu; Ta-hui Yang

Air Freight Service Network Design for Stochastic Demand, pp.261-265
Ta-hui Yang; Chen-cheng Chen

Real-Time Gate Assignments under Temporary Gate Shortages and Stochastic Flight Delays, pp.266-271
Ching-hui Tang

Study on Cooperative Strategy between Express Company and Specialized Transportation Enterprise, pp.272-277
Hongchang Li; Xujuan Kuang

Optimization Model for Distributed Routing for Disaster Area Logistics, pp.278-283
Mojahid Saeed Osman; Bala Ram; Joy Bhadury; Paul Stanfield; Lauren Davis; Funda Samanlioglu

Cointegration Analysis on the Relationship Between China's Highway Transportation Industry and National Economic Development, pp.284-287
Weidong Li

RN02**Special Session: Business Solutions, Applications and Case Studies**

From eBay's Second Chance Offer to B2B Service Pricing: Similarity and Challenges, pp.288-290
Yu-an Sun; Poorvi Vora

Collaborative 3D DocuSpace: A Platform for Next-Generation Document Services in 3D Virtual Worlds, pp.291-294
Tong Sun; Jonas Karlsson; Wei Peng

Study on The Construction and Development of Shanghai E-port System, pp.295-299
Yiqun Li; Qing Nie

Gateway Deployment Optimization in Wireless Mesh Network: A Case Study in China, pp.300-305
Jingzhi Ding; Jianxiao Xu; Zhifeng Zheng

Virtual Emergency Preparedness Planning Using Second Life, pp.306-310
Colleen Monahan; Kevin Harvey; Lars Ullberg

Services for Deploying Web-based Online Courses, pp.311-316
Yin Pan

An Analysis of a Service System Supporting IBM's Global Service Delivery, pp.317-322
Isaac Councill; Hakan Hacigumus; Kenneth Johns; Jeffrey Kreulen; Toby Lehman; James Rhodes; Ray Strong; Ruoyi Zhou

RA01**Service Design and Operations III**

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Francesco Moresino; Aarti Agrawal; Emmanuel Fagniere; Nabil Abdennadher

Intersection Traffic Control by a Novel Scheduling Model, pp.329-334
Jia Wu; Abdeljalil Abbas-turki; Abdellah El Moudni

An Evaluation Model of Service Quality by Applying Linguistic TOPSIS Method, pp.335-340
Chen-tung Chen; Wei Zhan Hung; Kuan-hung Lin; Hui-ling Cheng

Hierarchical and centralized architectures for distributed production planning, scheduling and control activities, pp.341-346
Guilherme Vieira; Claudimar Veiga

Recommendation Method for Build to Order Products Considering Substitutability of Specifications and Stock Consumption Balance of Components, pp.347-352
Atsushi Shimoda; Hidenori Kosugi; Takafumi Karino; Norihisa Komoda

Using DEA Window Analysis and the Malmquist Index to Evaluate the Operations of Canadian Schedule I Banks, pp.353-358
Yurong Cao; Zijiang Yang

Hybrid Nested Partitions and Relax-and-Fix Approach for Capacitated Multi-item Lot Sizing Problem, pp.359-364
Tao Wu; Leyuan Shi

RA02**Best Student Papers Contest**

Time Makes a Difference: Insights from Zara's Success, pp.365-370
Man Li

Wavelength-Tuned Phase-Shifting Calibration Based on the Fourier Transform in Time Domain, pp.371-375
Renhui Guo; Jianxin Li; Rihong Zhu; Lei Chen

Integrating Supply Chain Management Concept in a Goods Movement Microsimulation, pp.376-381
Amir Samimi; Abolfazl (kouros) Mohammadian; Kazuya Kawamura

A Framework for Combined Bayesian Analysis and Optimization for Services Delivery, pp.382-387
Afsaneh Shirazi; Jianying Hu; Moninder Singh; Mark Squillante; Aleksandra Mojsilovic

Comparison of Mitigation Strategies for Supplier Risks: A Multi Agent-Based Simulation Approach, pp.388-393
Satama Sirivunnabood; Soundar Kumara

Modeling the Supply Chain Based on Multi-Agent Conflicts, pp.394-399
Jiun-yan Shiau; Xiangyang Li

A Heuristic Algorithm for Schedule Reconfiguration of Projects during Execution, pp.400-405
Maryam Haji; Houshang Darabi

A Novel Parking Service Using Wireless Networks, pp.406-411
Gongjun Yan; Michele C. Weigle ; Stephan Olariu

The Impact of Revenue Sharing and Rebate Contract on Short Life Cycle: A Case of Slow Moving Food Products, pp.412-416
Juma Makweba Ruteri; Qi Xu

On Flexibility and Sustainability in Container Ports, pp.417-422
Hicham Hakam; Wei Deng Solvang

RE01**Information and Communications Technology II**

RFID for Crossdocking: Is it worth the investment?, pp.423-428
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