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# Part I CiSE 2009 Conference Schedule

## Registration December 11~13, 2009

Registration Time	Date	Location
9:00-20:00	December 11 <sup>th</sup> , 2009	2 <sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel, Wuhan
9:00-18:00	December 12 <sup>th</sup> , 2009	2 <sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel, Wuhan
9:00-14:00	December 13 <sup>th</sup> , 2009	2 <sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel, Wuhan

## Saturday Morning, December 12

Time	Activity	Location: 2 <sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel
8:30-9:00	Opening Ceremony	
9:00-10:20	Plenary Speech 1: Non-determinism, Non-linearity and Emergent Behaviour in Software Systems of Systems <b>Prof. Gary Bundell</b> , University of Western Australia, Australia	
	Plenary Speech 2: Smarter Planet <b>Dr. Matthew Wang</b> , IBM China Development Labs, China	
10:20-10:40	Coffee Break	
10:40-12:40	Plenary Speech 3: Perspectives of Software Testing <b>Dr. Mao Zheng</b> , University of Wisconsin - La Crosse, USA	
	Plenary Speech 4: Building Reliable Distributed Systems: A Researcher's Journey <b>Dr. Lintao Zhang</b> , Microsoft Research, China	
	Plenary Speech 5: Artificial Brains and Topological Quantum Computing <b>Prof. Hugo de Garis</b> , Xiamen University, China	

## Saturday Noon, December 12

12:40 – 13:30	<b>Lunch Buffet</b>	<b>Location:</b> 1 <sup>st</sup> & 2 <sup>nd</sup> floor, Shangri-La Hotel
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## Saturday Afternoon, December 12

Time	Activity (Coffee Break 15:20 – 15:40)	Location: 3 <sup>rd</sup> floor, Shangri-La Hotel
	<b>Oral Session 1:</b> Artificial Intelligence	En Shi Room
	<b>Oral Session 2:</b> Neural Networks and Applications	Xian Tao Room
14:00 – 17:30	<b>Oral Session 3:</b> Computer Graphics	Xian Ning Room
	<b>Oral Session 4:</b> Distributed and Parallel Computing	Sui Zhou Room
	<b>Oral Session 5:</b> Software Engineering (1)	Xiang Fan Room

## Saturday Evening, December 12

18:30 – 20:00	<b>Welcome Banquet</b>	<b>Location:</b> 2 <sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel
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### Sunday Morning, December 13

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<b>Time</b>	<b>Activity (Coffee Break 10:00 – 10:20)</b>	<b>Location: 3<sup>rd</sup> floor, Shangri-La Hotel</b>
	<b>Oral Session 6:</b> Information Technology in Education	En Shi Room
	<b>Oral Session 7:</b> Computer Application	Sui Zhou Room
08:30 – 12:00	<b>Oral Session 8:</b> Database Technology	Xian Tao Room
	<b>Oral Session 9:</b> Applied Mathematics and Information Management	Xiang Fan Room
	<b>Oral Session 10:</b> Software Engineering (2)	Xian Ning Room

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### Sunday Noon, December 13

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12:00 – 13:30	<b>Lunch Buffet</b>	<b>Location: 1<sup>st</sup> &amp; 2<sup>nd</sup> floor, Shangri-La Hotel</b>
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### Sunday Afternoon, December 13

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<b>Time</b>	<b>Activity</b>	<b>Location</b>
14:00 – 14:40	<b>Poster Session 1:</b> Artificial Intelligence & Neural Networks and Applications	
14:40 – 15:20	<b>Poster Session 2:</b> Computer Graphics & Distributed and Parallel Computing	
15:20 – 16:00	<b>Poster Session 3:</b> Software Engineering	
16:00 – 16:40	<b>Poster Session 4:</b> Information Technology in Education & Computer Application	2 <sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel
16:40 – 17:20	<b>Poster Session 5:</b> Database Technology & Applied Mathematics and Information Management	

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## Part II Plenary Speeches

### **Plenary Speech 1: Non-determinism, Non-linearity and Emergent Behaviour in Software Systems of Systems**

**Speaker:** Prof. Gary Bundell, University of Western Australia, Australia

**Time:** 9:00-9:40, December 12, 2009

**Location:** 2nd floor, Banquet Hall, Shangri-La Hotel

**Abstract:**

One of the recurring themes in constructing large-scale software systems for industrial automation applications is the potential for behaviour of the layers of system software to interact in various ways that may not have been intended by the designers – so called emergent behaviour. Although computational intelligence practitioners may look at the potential of such behaviour as beneficial to the objectives of the overall system, this behaviour is just as likely, if not more so, to be detrimental to the software engineering objectives. This becomes an acute issue in large-scale safety-critical software that needs to exhibit both ‘intelligent’ and safety properties. What is the best modelling framework to consider such issues – is there one or will one emerge? Underneath this question are some fundamental theoretical as well as intensely practical issues which all help to inform the growing debate as to ‘best-practice’ when designing these types of systems, and this presentation will canvas some of these key issues.



### **Plenary Speech 2: Smarter Planet**

**Speaker:** Dr. Matthew Wang, IBM China Development Labs, China

**Time:** 9:40-10:20, December 12, 2009

**Location:** 2nd floor, Banquet Hall, Shangri-La Hotel

**Abstract:**

The IT evolution makes the world become Instrumented, Interconnected, and Intelligent, The world is becoming smaller and flatter, and smarter. Building a smarter planet is IBM's point of view on how interconnected technologies are changing the way the world literally works. Dr. Matthew Wang will talk about a comprehensive, big picture view of the smarter planet positioning, explaining the need for a smarter planet, the opportunities we have to create a smarter planet, and how IBM is working to create solutions that fulfill the promise of progress.



### **Plenary Speech 3: Perspectives of Software Testing**

**Speaker:** Dr. Mao Zheng, University of Wisconsin - La Crosse, USA

**Time:** 10:40-11:20, December 12, 2009

**Location:** 2nd floor, Banquet Hall, Shangri-La Hotel

**Abstract:**

Software is everywhere in our society and life, and we are increasingly dependent on it. This applies to all kinds of software: software in safety critical systems such as airplanes, in consumer products, in mobile phones, in telecom switches, in pace makers, in process control systems, in financial systems, in administration systems, etc. Consequently, the quality of software is an issue of increasing importance and a growing concern.



Systematic testing is one of the most important and widely used techniques to check the quality of software. Estimates are that testing consumes between 30-50% of the total development costs. The aim of this talk is to give perspectives of software testing, bring together researchers and practitioners from industry and academia to discuss the state of the art in theory, methods, tools, applications and industrialization of software testing, and to identify important open issues and challenges.

**Plenary Speech 4: Building Reliable Distributed Systems: A Researcher's Journey**

**Speaker: Dr. Lintao Zhang, Microsoft Research, China**

**Time: 11:20-12:00, December 12, 2009**

**Location: 2nd floor, Banquet Hall, Shangri-La Hotel**



**Abstract:**

Distributed systems are notorious for being complicated and hard to debug. Well tested distributed systems may fail on the fields after years of operating correctly and cause significant economical damage. Over the years, the researchers in the System Research Group of Microsoft Research Asia have built several large scale distributed systems for various purposes. To make these systems more reliable, we also developed many tools and methodologies to debug and test them. These efforts interacted with each other in many interesting ways, and the experience of both tool building and system building leads us towards several interesting research directions. In this talk, I will describe my group's efforts on building reliable distributed systems and the lessons learned.

**Plenary Speech 5: Artificial Brains and Topological Quantum Computing**

**Speaker: Prof. Hugo de Garis, Xiamen University, China**

**Time: 12:00-12:40, December 12, 2009**

**Location: 2nd floor, Banquet Hall, Shangri-La Hotel**



**Abstract:**

This 3 part talk presents the three major research interests and goals of Prof Hugo de Garis. The first is about how his ABL (Artificial Brain Lab) at Xiamen University is building China's first artificial brain, by applying an NVidia Fermi PC Supercomputer (1000 nodes) to accelerate (by a factor of about 1600 times relative to an ordinary PC) the evolution speed of neural network modules. 10000s of these modules (each with its own little function) are evolved in real time and interconnected by human "BAs"(brain architects) using multimodule operating system software, called IMSI (Inter Module Signaling Interface).

CABA (Chinese Artificial Brain Administration) would be a government agency that employs 1000s of scientists and engineers to design and build artificial brains for China's home robot industry (and other applications). Home robots will be one of the world's richest industries in the 2020s.

Topological Quantum Computing (TQC) is a potential revolution in computer science. Quantum computers can compute  $2^N$  things at a time compared to classical computers' 1 thing at a time. But today's quantum computers store a (qu)bit on tiny quantum systems that are vulnerable to local interactions that destroy the information. TQC promises to store qubits in (distributed)topological quantum fields, that the condensed matter physicists are busily hunting down right now.

## Part III Oral Sessions

### Oral Session 1: Artificial Intelligence

Chair: Msiddu Siddappa, Sri Siddhartha University, India  
3<sup>rd</sup> floor, En Shi Room, Shangri-La Hotel

14:00-17:30, Saturday, December 12

Paper ID	Paper Title	Author	Affiliation
71133	The Formation of Task-Oriented Computer Generated Forces Organization Based on Complex Networks	Lei Feng	School of Mechatronics Automation, China
70059	Main Algorithms Study and Implementation of Tourist Spot Navigation System	Feng Xu	Beijing University of Posts and Telecommunications, China
60364	Flight Control Software Design for Stratospheric Aerostat	Zewei Zheng	Beihang University, China
71234	A Perspective on Trusted Hardware and Operating System of Cloud Terminal	Zhigang Sun	Harbin Institute of Technology, China
70102	GPU Implementation for Wilson-Method	Jianming Xia	South China University of Technology, China
71272	Modular Indoor Games: A Hybrid of Video and Outdoor Games	Zahid Halim	FAST-National University of Computer Emerging Science, Pakistan
71095	Learning Automata-Based Adoptive Bandwidth Provisioning in Differentiated Services	Mehri Rajaei	University of Sistan Baluchestan, Iran
70967	A Goal Model of Autonomous Agent Organization	Zhigang Huang	Huazhong University of Science and Technology, China
70668	A New Interpolation Scheme In Grid-Based Approximation For POMDPs	Jing Zhang	Western Michigan University, United States
71535	Model Bootstrapping for Auto-Diagnosis of Enterprise Systems	Benoit Gaudin	University College Dublin, Ireland
70746	Solving the Travelling Salesman Problem by the Program of Ant Colony Algorithm	Jufang Zhu	Chinese Academy of Surveying & Mapping, China
71569	Design, Implementation and Evaluation of Intelligent Tutoring System for Numerical Methods (ITNM)	Madappa Siddappa	Sri Siddhartha University, India
71371	An Improved Artificial Fish Swarm Algorithm Based On Chaotic Search And Feedback Strategy	Kongcun Zhu	Shandong University, China
70765	A Novel Waveform Scheduling Method	Bin Wang	Northeastern University, China

### Oral Session 2: Neural Networks and Applications

Chair: Yuhua Li, University of Ulster, United Kingdom  
3<sup>rd</sup> floor, Xian Tao Room, Shangri-La Hotel

14:00-17:30, Saturday, December 12

Paper ID	Paper Title	Author	Affiliation
60612	Exposing Digital Video Forgery by Detecting Motion-compensated Edge Artifact	Yuting Su	Tianjin University, China
71184	Contention aware Adaptive Backoff Mechanism in IEEE 802.11 Wireless LAN	Ruyan Wang	Chongqing Univ. of Posts Telecom, China
60737	Anomaly Detection by Clustering in the Network	Feng Guo	Zhejiang University, China
71424	Service Sharing between OSGi-based Residential Gateways in Distributed Network Environment	Yiqin Lu	South China University of Technology, China
71190	A Performance Analysis of AODV Routing Protocol under Combined Byzantine Attacks in MANETs	Abdur Rashid Sangi	Beihang University, China
60353	An Improved Medium-Field Multivariate Public-Key Encryption Scheme	Hongwei Tao	Shanghai Key Laboratory of Trustworthy Computing, China
71402	Efficient Compression Algorithm for CN Top Level Domain DNS Log	Zheng Wang	China Internet Network Information Center, China
71244	An ID-based and Repairing NTRUSign-based Anonymous Multi-Proxy Signature Scheme	Jianhong Zhang	North China University of Technology, China
70814	Exponential robust Stability of Cellular Neural Networks	Chunmei Wang	Hebei University of Science and Technology, China

Paper ID	Paper Title	Author	Affiliation
70129	Constructing Weak Learner and Performance Evaluation in AdaBoost	Mian Zhou	Tianjin Foreign Studies University, China
71002	Dataset Selection for Training One-Class Support Vector Machines	Yuhua Li	University of Ulster, United Kingdom

### Oral Session 3: Computer Graphics

Chair: Hongchan Zheng, Northwestern Polytechnical University, China

3<sup>rd</sup> floor, Xian Ning Room, Shangri-La Hotel

14:00- 17:30, Saturday, December 12

Paper ID	Paper Title	Author	Affiliation
60624	Collision Detection Algorithm in 3d Gravity & Magnetic Interactive Interpretation Platform	Xiao Dunhui	China University of Geosciences, China
70849	Personal Authentication Using Hand Geometry	Bahareh Aghili	Shahed University, Iran
70624	Real Time ROI Generation for Pedestrian Detection	Xin Zhao	University of Electronic Science and Technology of China, China
60523	The Design and Implementation of Interactive Plant Simulation System	Dan Li	Huazhong University of Science Technology, China
60172	An angle measurement of hard disk's head in the HSA using image processing	Dongjin Fu	Prince of Songkla University, Thailand
71413	Visualizing and Interpreting Volumetric Datasets Using Volume Haptics	Arif Nugraha	Curtin University of Technology, Australia
60234	Application of Virtual Reality Technology in Online Fashion Store Development	Chao-Yang Yang	Chang Gung University, Taiwan, China
60707	Identifying Collagen Bundles in the Most Superficial Layer of Normal Articular Cartilage	Xiaojuan Duan	University of Western Australia, Australia
70747	A Novel Multi-user Face Detection under Infrared Illumination by Real Adaboost	Yan Chao	NanJing University, China
60871	Constructing 2n-1-point ternary interpolatory subdivision schemes by using variation of constants	Hongchan Zheng	Northwestern Polytechnical University, China
71426	Ternary even symmetric 2n-point subdivision	Hongchan Zheng	Northwestern Polytechnical University, China

### Oral Session 4: Distributed and Parallel Computing

Chair: Wei Zhang, Ocean University of China, China

3<sup>rd</sup> floor, Sui Zhou Room, Shangri-La Hotel

14:00-17:30, Saturday, December 12

Paper ID	Paper Title	Author	Affiliation
60363	A Resources Composing Based Batch Scheduling Algorithm in Grid Market	Bin Wu	University of Science and Technology of China, China
70150	A New Optimazation Method of Large-scale SVMs Based on Kernel Distance Clustering	Yan-Zi Xu	Guangxi University, China
71438	The Design of Continuous Speech Corpus Based on Half-syllable Tibetan	Yang_Rui Yang	Northwest University for Nationalities, China
60280	The Parallel Processing of DPGGrid in the Fast Response for China 5.12 Wenchuan Earthquake Rescue	Tao Ke	Wuhan University, China
60165	Digit-Serial Gaussian Normal Basis Multiplier over GF(2 <sup>m</sup> ) Using Toeplitz Matrix-Approach	Chiou-Yng Lee	Lunghwa University of Science Technology, Taiwan, China
70489	Active Learning Artificial Neural Networks Ensemble For HF Ground Wave Radar Sea Clutter Predicting	Wang Quande	Wuhan University, China
60209	Searching Data Storage Resources with Dynamic Management in Grid Environment	Xiaolin Lu	Zhejiang University of Science and Technology, China
71473	Multithreading method to perform the parallel Image Registration	Chen Lin	Yunnan University, China
71422	A POP3 Proxy Platform for E-mail Filtering	Wei Zhang	Ocean University of China, China



Paper ID	Paper Title	Author	Affiliation
71578	ALGORITHMIC ASPECTS FOR INDEPENDENT AND DOMINATING SETS IN MOBILE AD HOC NETWORKS	M Siddappa	Sri Siddhartha University, India
71279	Pen User Interactions Based on Pressure-driven and Stroke-driven Modes	Jibin Yin	Kunming University of Science and Technology, China
60449	Parallel on Analog Circuit Synthesis	Yuping Wu	Institute of Microelectronics of CAS, China
70156	Towards A Precise Learning Structure and Organization for a First Graduate Course in Programming	Julio Garcia	Technical University of Madrid, Spain
71266	Group Routing: A Reliable mutual anonymous approach in Dynamic Overlay	Peng Tang	Beihang University, China

## Oral Session 5: Software Engineering (1)

Chair: Qingyin Jiang, Xiamen University, China  
3<sup>rd</sup> floor, Xiang Fan Room, Shangri-La Hotel

14:00-17:30, Saturday, December 12

Paper ID	Paper Title	Author	Affiliation
60314	Software Design Pattern Behavior in Shared Memory Multiprocessor Systems	Tolga Ovatman	Istanbul Technical University, Turkey
71523	Numerical Simulation of Coal and Natural Gas Co-combustion in a Rotary Lime Kiln	Peng He	Wuhan University of Technology, China
60475	On-line Observation for the Unmeasurable Inputs in FCCU Riser	Zhikai Cao	Xiamen University, China
71363	Comparing Three Algorithms of Implementing ON/OFF Aggregation Model	Shuai Yuan	Beihang University, China
70912	Simulation of fractal cellular automata model	Fenghuan Su	Chinese Academy of Sciences, China
70071	A Behavior Based modeling Process and verification	Wan Li	Computer School of Wuhan University, China
60286	Numerical Simulation and Experiment of Tubular Pump Device Model	Zhang Desheng	Jiangsu University, China
70427	Research of the Middleware based Fault Tolerance for the Complex Distributed Simulation Applications	Jun Wang	Wuhan Radar Institute, China
71410	Function Inlining Algorithm for Program Analysis	Tiantian Wang	Harbin Institute of Technology, China
60670	A Neural Network Method Application in Cloth Dynamic Simulation	Zhihong Zhao	Donghua University, China
60883	A Role-Based Model for Web Services Privacy Delegation	Liu Linyuan	Nanjing University of Aeronautics and Astronautics, China
60289	An Extensible Memory Simulation Framework for Chip Multi-Processors	Mingliang Liu	Tsinghua University, China
71390	An Empirical Comparison of Function Points and Web Objects	Giulio Barabino	University of Genoa, Italy
60326	Cost Estimation using extended Use Case Point (e-UCP) Model	Kasi Periyasamy	University of Wisconsin-La Crosse, United States
60875	System Infrastructure Development Life Cycle for Enterprise Computing Systems	Min Jiang	Illinois State University, United States

## Oral Session 6: Information Technology in Education

Chair: Tek Ming Ng, Republic Polytechnic, Singapore  
3<sup>rd</sup> floor, En Shi Room, Shangri-La Hotel

8:30-12:00, Sunday, December 13

Paper ID	Paper Title	Author	Affiliation
80501	Quantitative association rules mining algorithm based on matrix	Huizhen Liu	Huazhong Normal University, China
80050	Exploring the logic and developing new classification methods in attribute hierarchy model	Mengmeng Mao	Jiang Xi Normal University, China
70524	Using Open Source Software in Education in Developing Countries: The Sudan as an Example	Bazara Barry	University of Khartoum, Sudan
80530	The survey analysis on medical students utilizing Human Anatomy Network Course	Heng Shao	Tianjin Medical University, China
71494	Social Group Collaborative Learning and Knowledge Sharing Environment	Rong Wang	Renmin University of China, China

Paper ID	Paper Title	Author	Affiliation
80386	Scaffolding Support Mechanism for Writing Cause and Effect Essays	Jia-Jiunn Lo	Chung-Hua University, Taiwan, China
80603	A 3D Virtual World Teaching and Learning Platform for Computer Science Courses in Second Life	Ching-Song Wei	BMCC/CUNY, United States
70853	The Combination Weighting Evaluation Model and Empirical Study on Petrochemical Enterprises Performance	Yunjiang Geng	Dalian University of Technology, China
70868	A Pervasive Computing Platform for Individualized Higher Education	Ali R. Hurson	Missouri University of Science and Technology, United State
70647	Research on Reformation of Undergraduate Design in the Background of Engineering Education	Yongtao Ma	Tianjin University, China
80395	A Formal Model of Knowledge Base Systems in Intelligent Tutoring Systems	Zhiping Li	Yunnan Normal University, China
71059	An Intelligent Mathematics Assessment System	Wei Su	Lanzhou University, China
71195	Analysis of the Actuality and Obstacles of Organizational Learning Based on Knowledge Fermenting Theory	Jing Sui	Nankai University, China
80153	A new Vocational talent development model	Qiang Li	Zhejiang College of Construction, China
80391	Exploring Innovative Teaching of Engineering Design Course for Industrial Design Students	Ying Chieh Liu	Chang Gung University, Taiwan, China
80233	SCORM versus IMS-LD: Discussion on Development Trends of E-Learning	Kun QU	Southwest University, China

## Oral Session 7: Computer Application

Chair: Shihai Yang, Chinese Academy of Sciences, China

3<sup>rd</sup> floor, Sui Zhou Room, Shangri-La Hotel

8:30-12:00, Sunday, December 13

Paper ID	Paper Title	Author	Affiliation
60198	Visual Tracing System for Novice Programmers of Java Applets using Aspect-oriented Programming	Masayuki Arai	Teikyo University, Japan
60019	Research of Mainframe Application Transition to SOA Environment	Jianfeng Tang	Tongji University, China
60681	Study of Control Method for Large Telescope with Friction Drive	Shihai Yang	Chinese Academy of Sciences, China
60412	A Formal Approach to Specify the Reflective Design of Software Components with Timing Constraints	Jing Huang	Wuhan University of Technology, China
60273	Research on bilevel rendition of Gray pictures on Jacquard	Xiaoling Wang	Wuhan University of Science & Engineering, China
60298	Study "Compile Principle" and Its Prerequisite Curriculums	Fangjun Wu	Jiangxi University of Finance and Economics, China
60244	The Research and Emulation of Traffic Optimal Routing Problem Based on Ant Colony Algorithm	Hua Wang	Information Engineering Institute of Capital Normal University, China
60485	The Integration Evaluation and Explanation System of Geo-information in OpenGIS Environment	Wenfeng Zheng	University of Electronic Science Technology of China, China
60115	A Layered Neural Network Competitive Algorithm for Short-term Traffic Forecasting	Jiasong Zhu	Shenzhen University, China
70500	Adaptive Intrusion Tolerance Strategy of the System Based on Artificial Immune	Zhilei Cui	Suzhou Vocational University, China
70046	Solving Steiner tree problem by using learning automata	Samira Noforesti	University of Sistan and Baluchestan, Iran
60426	Computer Simulation of Particle Segregation Process Using 3D Discrete Element Method	Zhao Lala	China University of Mining and Technology, China

## Oral Session 8: Database Technology

Chair: Aiguo Li, School Computer Science Technology, China

3<sup>rd</sup> floor, Xian Tao Room, Shangri-La Hotel

8:30-12:00, Sunday, December 13

Paper ID	Paper Title	Author	Affiliation
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Paper ID	Paper Title	Author	Affiliation
60323	Mining Frequent Patterns in Data Stream over Sliding Windows	Wu Feng	National University of Defense Technology, China
70392	Research of Forecasting Model for Regional Data in GIS Based on Back Propagation Neural Network	Jing Zhu	China University of Geosciences, China
60799	Feature Subset Selection Based on Binary Particle Swarm Optimizaiton and Overlap Information Entropy	Ai_Guo Li	School Computer Science Technology, China
60877	From Query to Summary: A Good Information Obtain Method	Xiaojuan Zhao	Hunan Urban Construction College, China
60718	RSNN-based Instability Disaster Prediction of Tailings Dam	Keping Zhou	Central South University, China
60645	Evaluation of Text Clustering based on Iterative Classification	Xiaohua Wang	Hangzhou Dianzi University, China
71325	Data Uncertainty Analysis and Query Processing Techniques for Wireless Sensor Database	Guofang Nan	Tianjin University, China
70564	A Bit-Encoding Approach for Frequent Sequence Mining	Zhu Zhaoliang	Beijing University of Aeronautics Astronautics, China
60252	Industrial Signal Filter Base on Wavelet Transform	Yuwei Yu	Xiamen University, China
71449	Deep Web Databases Sampling Approach Based on Probability Selection and Rule Mining	Yang Xu	Wuhan University, China
70769	DCMR: A Method for Combining User-based and Trust-based Recommendation	Hongji Bao	Peking University, China
60349	The Noise Reduction Method of Web Pages Based On Image Features	Haitao YAO	Computer School of Wuhan University, China
70535	Discovery of Anomalous event against frequent sequence of video events	Fahad Anwar	The University of Manchester, United Kingdom
71262	Research on Data Mining of Logistics and Economic Development	Yu-Chen Song	Inner Mongolia University of Science Technology, China

## Oral Session 9: Applied Mathematics and Information Management

Chair: Chengxiu Gao, Wuhan University, China

3<sup>rd</sup> floor, Xiang Fan Room, Shangri-La Hotel

8:30-12:00, Sunday, December 13

Paper ID	Paper Title	Author	Affiliation
71295	Density Function Estimation Based on SVM: An Application in Estimating Liquidity Risk in Stock Market	Yiwen Yang	Northwestern Polytechnical University, China
71380	Large-scale Travel Time Prediction for Urban Arterial Roads Based on Kalman Filter	Tongyu Zhu	Beihang University, China
71047	Novel Global Optimization for Separated Cutting Stock Problems	Hao-Chun Lu	Fu Jen Catholic University, Taiwan, China
70063	Modeling and Identifying the Acceleration Imposed on Maneuvering Spacecraft	Heng-Nian Li	Xi'an JiaoTong University, China
71443	Rationality Model and Choice Optimization: One answer to Aumann's "open problem" and one introduction to a new mathematical tool	Ai Wu	School of Management, Dalian University of Technology, China
70936	Measuring Average Revenue with Bandwidth and Traffic Demand on Communication Networks	Chia-Hung Wang	National Chengchi University, Taiwan, China
70756	Study on Tourism Emergency Attribute Reduction Based on Rough Set	Tian Gao	Beijing University of Posts and Telecommunications, China
70562	Two Dimensional Overlay Peer-to-peer Networks	Gang Shen	Huazhong University of Science and Technology, China
71293	Institutional investors, Equity incentive and Executive compensation: An empirical study based on conflict of interest	Cai Qingfeng	Xiamen University, China
70710	Excess Water Production Diagnosis in Oil Fields using Ensemble Classifiers	Minou Rabiei	Curtin University of Technology, Australia
71255	Efficient Approximate Algorithms for the Beacon Placement and its Dual Problem (Abstract)	Jiexun Wang	Kyoto University, Japan
71531	A ODE trust-region method for unconstrained optimization	Fanghua Wang Chengxiu Gao	Xiangtan University, China
71316	Optimized machine configuring and job scheduling strategy for high efficiency semiconductor manufacturing	Zungang Hu	Tsinghua University, China
70471	Implicit Rating Model in M-commerce Recommendation System	Hongwei Liu	Guangdong University of Technology, China
70602	The task assignment solution for multi-target pursuit problem	Liyang Yang	Shenyang Institute of Automation, China

## Oral Session 10: Software Engineering (2)

Chair: Jieshan Li, Sun Yat-sen University, China

3<sup>rd</sup> floor, Xian Ning Room, Shangri-La Hotel

8:30-12:00, Sunday, December 13

Paper ID	Paper Title	Author	Affiliation
60660	Agent-based Distributed Automated Testing Executing Framework	Jing Gao	Inner Mongolia Agricultural University, China
60784	Numerical Analysis of Solid Fuel Scramjet Combustors	Bo Sun	Nanjing Univ. of Science and Technology, China
60840	A Novel Web Service Selection Based on Dynamic Quality Evaluation	Zhenyu Liu	Shanghai Key Laboratory of Computer Software Evaluating and Testing, China
70847	Towards a Formal Behavioral Model for Rich Internet Applications	Courtney Powell	Hokkaido University, Japan
60499	A Service-Oriented Analysis and Modeling Using Use Case Approach	Huayou Si	Peking University, China
60082	Measuring Risks within a Program Consisting of Multiple Interdependent Projects	Tak Wah Kwan	The Hong Kong Polytechnic University, China
70350	A Case Study on Tailoring Software Process for Characteristics Based on RUP	Jieshan Li	Sun Yat-sen University, China
60176	Comparing the local or global synthesis of state-based specifications from scenario-based specifications	Wenrui Li	Hohai University, China
60467	Considering Web Frameset and Browser Interactions in Modeling and Testing of Web Applications	Bo Song	Shanghai University, China
70770	A Navigation Graph Builder for Dynamic Web Applications	Wenhua Wang	University of Texas at Arlington, United States
71534	Modeling project trade-off using Bayesian Networks	Milijana Fineman	Queen Mary, United Kingdom

# Part IV Poster Sessions

## Poster Session 1: Artificial Intelligence & Neural Networks and Applications

2<sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel

14:00 – 14:40, Sunday, December 13

Paper ID	Paper Title	Author
70815	A Multi-agent Assistant Dynamic Resource Management Model of Composite Service	Yu Wu
71582	Efficient implement of ORM (Object/Relational Mapping) use in J2EE framework: Hibernate	Chuanlong Xia
70120	Risk Level of Landfall Typhoons Using the P- $\beta$ Distribution Function	Lihua Feng
70854	A Constrained Optimal Task Scheduling problem in Multi-agent System	Li Bin
71125	Research on Print Quality Assessment and Identification: Evaluation of Print Edge Roughness	Yankai Tu
71587	A New Algorithm for data mining	Zhao Jun-Sheng
70133	1D and CFD Co-simulation Approach Basing on General Purpose Simulation Software	Xiaofang Zhang
71584	Research on Web Data Mining and its Application in Electronic Commerce	Guangcan Yu
60647	Modeling Timing Behavior for Cyber-Physical Systems	Hanbo Wang
60372	CMOS Sensor Sequences Designing of High-Speed Image Acquisition System based on FPGA	Zhonghua Huang
70786	An Exploration Algorithm for A Swarm of Homogeneous Robots	Pengchong Zhao
70420	A Discrete PSO for Partitioning in VLSI Circuit	Shaojun Peng
70346	A Research of Distributed Intrusions Detection Model Based on Aglets	Ke Zhang
71114	An Improvement of Hough Transform for Building Feature map	Liu Li Mei
71103	A New Video Coding Method Based on H.264 Algorithm	Xiao_Guang Wu
60447	A novel secure communication scheme based on hyper-chaos	Sun Yi
71482	Incorporating Similar People for Expert Finding in Enterprise Corpora	Wei Zhang
71308	The Design of LHCD Phase Control System Based on QNX Operating System	Yang Yong
71135	Supplier Identification Based on Rough Sets and BP Neural Network	Cheng-Dong Shi
70780	AWSIM:Agent-based Web Services Integration Model	Zhang Hui
70740	Fault diagnosis expert system based on integration of fault-tree and neural network	Yingying Wang
60828	Incorporating Method of Invariance and SVM Based on the Best Approximate Point	Zhang Guisheng
71589	Extract medical interpretation based on shallow syntactic analysis	Caichang Ding
71518	Research on Localization Algorithm of Mobile Nodes in Wireless Sensor Networks	Bing Hu
71542	Short-term Electricity load Forecasting Based on ICA and LSSVM	Jinhui Zhang
71581	A New Approach for Decision Tree Based on Principal Component Analysis	Juanli Hu
60701	Design of Wireless Gateway Based on ZigBee and GPRS Technology	Zhiye He
71583	Improved Design and Analyse of Parallel Matrix Multiplication on Systolic Array Matrix	Feifei Dong
70447	Application of Immune Particle Swarm Optimizer in Function Optimization	Xu Jinli
70402	Improved WNN to Rotating Machinery Fault Diagnosis	Xu Jinli
71352	Novel Adaptive Genetic Algorithm for Reactive Power Optimization of Power System	Yang Guang
70297	An Artificial Neural Network Based SVPWM Controller for PMSM drive	Baoping Cai
71086	Mapping Multi-Views Architecture Products of Complicated Information System to Agent Organizations	Zhongxue Li
70355	Introduce Satisfy policies into Semaphore in WRK	Xudong Li
70998	Closed Circle DNA Algorithm of Hamilton Circuit Problem	Kang Zhou
71020	A Strategy of Elevator Group Control Based on Passengers Classifying	Xueli Liu
60656	Research and Implement of Serial RapidIO based on Mul-DSP	Juan Zhang
70692	Positioning in Ad Hoc Network by Using Airship Node	Qimanguli Jamaliding
60583	Modified Differential Evolution for Hard Constrained Optimization	Changshou Deng

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70400	Modified Dynamic Differential Evolution for 0-1 Knapsack Problems	Changshou Deng
70260	CNC Grid Features Modeling Employing Complex Constraints Characteristics	Luo Yabo
70362	Application of Entire Synchronization in frequency Measurement for SAW Sensors	Guogang Huang
70706	A New Ocean Acoustic Model in Computational Oceanographic Physics	Zhang Lin
70423	Research and Implementation on Multi-cues Based Page Segmentation Algorithm	Yan Hu
70606	A Dynamic Immune Recognition Model Based on the Cell Death Theory	Yuan Tao
70293	Control Channel Identification Method and Experimental Research on FXLMS Vibration Control	Gao Zhiyuan
71330	Neural Network Appraisal of SMB Operation Capability	Jun Xu
60644	Ventilator Fault Diagnosis Based on Fuzzy Theory	Guohuan Lou
70194	Study on the Missiles Disposition Problem for Ground-to-Air Defense System with Uncertain Information	Wu Shi_Hui
70921	Transformer Fault Prediction based on GA and Variable Weight Gray Verhulst Model	Rui-Rui Zheng
71375	Study on the Uncertain Problems in Power Grid Fault Diagnosis	Sheng Li
71091	Blocking Probability Simulation based on SDMA Systems	Hailang He
71532	Practical Stability Analysis for Exponential Type Stochastic Swarms	Zhibin Xue
70200	A method for combinatorial explosion avoidance of AI planner and the application on test case generation	Li Li
60166	Micro-conductivity rapid detection research of electrophoresis chip based on orthogonal vector lock-in amplifier on FPGA	Honghua Liao
70358	Synchronization Controlling of a New Lorenz-like Chaotic Systems using Partial States Feedback	Jigui Jian
60588	A Compositive Method of Neural Networks and Control Charts for Monitoring Process Disturbance Based on Integrated SPC/EPC	Xiuhong Wang
71070	Matrix Extension to Construct M-Band Compactly Supported Orthogonal Wavelets	Han Shiqin
70557	Study to Multi-Twin Support Vector Machines and Its Applications in Speaker Recognition	Yang Chengfu
71224	Quantum-behaved Particle Swarm Optimization with Normal Cloud Mutation Operator	Ji Zhao
70611	A Protein-Phenotype Mutual Information Based Identification of Human Disease Genes	Junheng Huang
71310	Simulation of a Class of itô Type System with Distributed Paramete	Rong-Hua Xu
71566	Grain Quality Evaluation Method Based on Combination of FNN Neural Networks with D-S Evidence Theory	Yuhua Zhu
70236	A Repast Symphony -based Simulation and its Application on Emergency Resources Dynamic Assignment	Jianfeng Li
70677	A Genetic Algorithm model for Personal Credit Scoring	Wenxue Cai
60820	Online Handwriting Mongolia Words Recognition Based On Multiple Classifiers	Wei Wu
70945	The Contract Net Protocol with Trust Model in Open Multi-Agent System	Zhao Xiang
71205	A shortest path algorithm of image segmentation based on fuzzy-rough grid	Li Jiangping
70596	A Personalized Learning Platform Based on Multi-Agent and Moodle	Jian Li
71111	Modeling and Simulation of Satellite Integrated Health Management System	Fei Yan
70094	The Study of Elevator Fault Diagnosis Based on Multi-agent System	Guangming Zhang
70300	Flocking in Dynamical Networks Using Fuzzy Logic	Hui Yu
71276	Knowledge Acquisition Model for Satellite Fault Diagnosis Expert System	Lianxiang Jiang
71202	Ontology-based Aero-Engine Compressor Blade Manufacturing Quality Analyzing	Bing Chen
70216	Discrimination of squamous cell carcinoma of the oral cavity using confocal Raman microspectroscopy and BP-Chaos networks	Yaogai Hu
60812	Research on Intelligent Auto-generating Test Paper Based on Improved Genetic Algorithms	Wu Xiaoqin
70255	Design and realization of data compression in Real-time database	Chenggang Zhen
60733	Research on Modeling of Improved Process Neural Network Based on KPCA and Discrete Walsh Transform	Wen_Jia Wang
70985	Design of the Ozone Concentration Online Detection System	Sun Rong-Xia
70758	A* Algorithm Analysis and Optimization	Xiaoli Guo
71082	Solutions of $n$ th order initial value problems using spline technique	Xinze Lian
70684	Dynamic Particle Swarm Optimization based on Anti-mistake and Sinai Chaos	Huailiang Liu
70614	Combination Optimization Research on Grey Model and Support Vector Machine	Luo Zhong

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70622	Study of Modeling Technology of 3D Virtual Teacher in Virtual Learning Environment	Huiqin Zhao
70196	The Development of Web Service-Based Remote Control and Monitoring System	Wensheng Liu
70966	Urine Sediment Recognition Method Based on SVM and AdaBoost	Shen Meili
70987	Application of RS Theory and SVM in the Ore-rock Classification	Dewen Seng
70698	RIF2Jess: Inferencing RIF Rules via Translation to Jess Rules	Wei Chen
60808	A Real-Time Kernel for Embedded Internet Applications	Mo Guan
70984	Semantic Web-based Seismic Disaster management Expert System	Yun Wu
70119	The Development of Rule-based Virtual Reality System	Wensheng Liu
71441	Stochastic Extension for Real Time Process Algebra with Urgency Executing Policy	Xifu Li
70696	A Parallel Iterative Method for Solving NonlinearLeast-Squares Problems	Zhong Chen
70043	Multi-Granularity Reversible Cellular Automata Applied in Data Encryption	Xia Xuewen
71259	Design and Implementation of Low Power Consumption Wireless Pressure Transmitter Monitoring System	Liu Zhe
70940	Evaluation of user interests with a cloud model	Cheng Xijun
71148	Study of Insulation Monitoring Device for DC System Based on Four-switch Combination	Jishun Jiang
71146	Design of a New Three-phase Multi-rate Watt-hour Meter Based on singlechip	Jishun Jiang
70298	Research on the BDI-Agent Learning Model Based on Dynamic Fuzzy Logic	Youqun Shi
70144	Modeling, Control and Simulation of a Small Photovoltaic Fuel Cell Hybrid Generation System	Wei Li
60629	Wood Nondestructive Test Based on Artificial Neural Network	Xiao-Dong Zhu
70488	A Numerical Method for Parabolic Inverse Problems	Tang Liu
71053	Analysis of Transformer Core Vibration Characteristics Using Modified Empirical Mode Decomposition	Weihua Xiong
70626	An Application of Case Based Reasoning to Predict Structure Maintainability	Yu Haiquan
71357	The research of a double objective model of loans portfolio optimization based on PSO	Ying Sun
70095	Medical Images Classification Based onLeast Square Support Vector Machines	Bai Xingli
70475	Optimization of Neural Network Based on Improved Genetic Algorithm	Chen Zhijun
70247	Design of Traffic Signal Intelligent Control Remote Trusteeship System	Yiliang Wang
70819	Global Asymptotic Stability of Cellular Neural Networks	Chunmei Wang
71109	Application of BP-ANN in forecasting the equivalent radon exhalation rate of uranium ore-rock in the course of mine ventilation	Yongjun Ye
70972	An Integrity Protection Model for the Keys of Trusted Platform Module	Shiwei Xu
70978	Well Logging Automatic Core Relocation Based of the Immune Particle Swarm Optimization Algorithm	Jian-Hai Ma
70449	A Fast Learning Algorithm with Transductive Support Vector Machine	Xie Jian
70996	Numerical Approximation and Optimum Method of Production Monitoring System in the Textile Enterprise	Jingfeng Shao
70570	The CBR For Solving Complex Problems Based On Ontology	Wu Meixiang
70007	Robust mode-independent control over Markovcommunication networks with stochastic latency	Zhixin Tai
60319	The Implementation and Evaluation of Hardware/Software Co-design Method for Fast Image Processing via FPGA	Liming Wu
70938	Application of Genetic Algorithm to Optimize the Equipment of Coal Mine	Li Xinchun
70840	A Mobile-agent-based Role Switching Management Mechanism in WSN	Hua Xiang
71304	Expert System for Tractor Cab Man-Machine Interface Evaluation	Xiao-Yan Yan
70980	MSD Addition by Ternary Logic Optical Processor	Mei Li
71113	Improvement for the Rao-Blackwellized Particle Filters SLAM with MCMC Resampling	Huan Wang
70719	Word Segmentation of Chinese Text with Multiple Hybrid Methods	Zhongjian Wang
70165	Building P2P Volunteer Computing System using Agents	Zhikun Zhao
70174	Research of application layer for large astronomical telescope Observatory Control System framework	Jian Dong
71489	A Novel Neural Network Ensemble Method Based on Affinity Propagation clustering and Lagrange Multiplier	Yu Helong
70352	Design of Wireless Monitor System Based on S3C2410 and GPRS	Liang Zhijian
60446	Spectrum Sequence Based on Super-chaotic System	Sun Yi

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70469	Design of Learning Engine Based on Support Vector Machine in Cognitive Radio	Yuqing Huang
71560	Research on a Transmission Control Algorithm for Varying Arrival Rate	Shuifang Yin
70158	Research on Modeling for Safety Evaluation System of Amusement Ride Based on Fuzzy Neural Network	Yong Shen
60039	Digital Fingerprinting Based on Synergetic	Wang Zuxi
60819	An Analytical Model of Malware Spread in Wireless Personal Area Networks	Shuai Fu
71072	A Distributed Sharing Model of the Browser Cache	Jian Liu
60287	Evaluation of Image Spam Classification System based on AHP	Zhen Xu
70134	On the Chaotic Dynamics Analysis of Internet Traffic	Xue-Bin Li
71416	An Improved Proxy Blind Signature Scheme Based on Factoring and ECDLP	Chengming Qi
70850	Intelligent Recognition Research of Control Charts Patterns	Jing Yang
70739	A Novel Handover Decision Algorithm Based on GRA with GPS Information	Ying Wang
60351	Analysis and Design of Duplex Signature Based on SAML Token	Yu Xin
60265	A Novel Orbit Perturbation Method for Continuous-time Chaos to Obtain Dynamic Seeds-key Stream Cipher	Yifang Weng
60150	Study of Reversible Information Hiding Scheme Based on GHM and Color Mod Vector Structure	Ren Shuai
60778	On Optimal $p$ -adic Representations	Jin Zhang
70572	Nested Spray And Wait Routing algorithm Based on Core Nodes Assisted	Guizhu Wang
70281	Target Attribute Identification Based on Multi-class SVM and D-S Evidence Theory	Jin Hongbin
60749	An Application Architecture for E-Voting	Nicholas Pfundstein
60253	Security Research on P2P network	Hua Li
70681	A Neural-Network Based Technology of Data Distribution Management in Distributed Virtual Environment	Jiong Zhang
70782	A Dynamic Relay Handover Technology for The Paired Slot Relay Under Selective Attacks	Huihui Xiang
60262	Distributed Intrusion Detection System Based on BP Neural Network	Hua Li
60802	Differential Power Analysis Attack on CLEFIA Block Cipher	Xuefei Bai
70114	Competition of Multi Biomimetic Robots Bases on Accumulating Competition Neural Network	Kun Wang
71269	Self-synchronization property audio watermarking anti-synchronization attacks	Wan Yun-Wu
71048	Global robust exponential stability for a class of delayed reaction-diffusion neural network	Jie Pan
70693	A Multiple Constraint Quality of Service Routing Algorithm Base on Dominating Tree	Wang Xueshun
71229	The Protocol of Cluster Multi-Hop Transmission Based on Heterogeneous Wireless Sensor Networks	Xuegong Qiao
60746	Formal Verification for EAP-AKA Protocol in 3G Networks	Xiehua Li
60695	Fast Multi-Scalar Multiplication using the Multi-Based Number System	Xinchun Yin
60791	A Proxy Multi-Signature Scheme with Proxy Revocation	Xin Chun Yin
60330	An Improved Sealing Scheme for Trusted Storage	Yaping Chi
60460	Speaker Recognition via Similar Centroids Balanced FKVQ	Li Shaomei
60783	Deterministic Polynomial-Time Equivalence of Factoring and Key-Recovery Attack on a Variant of RSA	Xianmeng Meng
60732	A New ID-Based Content Extraction Signatures	Xinchun Yin
60525	Design and Implement of a Novel OVAL-Compatible Vulnerability Assessment System	Ling Gao
60028	Research of Access Control of USB Storage Device with Information Security in Unauthorized Internet Access Monitoring System	Teng Gao
71008	Design and Implementation of SPS in PKI	Xiang Gao
71127	Improvement for congestion control algorithms under DDoS attacks	Haina Hu
60533	FSHP Synchronization in Rikitake Chaotic Flow and Application to Secure Communication	Baoping Zhou
70388	Design of an RFID Authentication Protocol Based on Shared Key	Zhuang Er
71284	Algorithm Analysis of Sub-Channel and Power Allocation for OFDM Systems Based on Comb-pilot frequency	Huixing Sheng
60408	A Novel Watermarking Algorithm Based on Feature Points and SVD	Chengxi Wang
70680	PID Neural Network Control Research Based on Fuzzy Neural Network Model	Zheng Changlu



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70962	Secure Scheme of Digital Fingerprint based Piracy Tracking	Cheng Yang
60593	Modeling User Interests Based on Cloud Model for Masquerade Detection	Cheng Xijun
70608	Research on the Conformance Testing of the IS-IS Routing Protocol On TTCN-3	Yulan Zhao
70613	TTCN-3 ABSTRACT TEST SUITE GENERATOR OF BGP-4 PROTOCOL	Yulan Zhao
71568	Communication System for Distribution Automation Using EPON	Zhongwei Sun
71444	The Implement of Accounting Mechanism in P2P System	Jian Yu
70593	On Large Scale Evolutionary Optimization Using Simplex-based Cooperative Coevolution Genetic Algorithm	Yang Bo
70930	NEW FUZZY BP NEURAL NETWORK ALGORITHM AND ITS APPLICATION IN STOCK MARKET	Kaiqi Zou
70047	Short-term Load Forecasting Based on Wavelet Neural Network and Monkey-King Genetic Algorithm	Shuangchen Li
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71541	Research of Risk in Supply Chain Based on Fuzzy Evaluation and BP Neural Network	Jinhui Zhang
70663	Research on the Distinguishing Chemical Agents Based on the Neural Networks	Zhang Minghu
60680	The Model of Trusted Computing for Online Payment of B2C E-Business Website Based on Trusted Third Party	Shaohua Qiang
60534	A Fast Modular Multiexponentiation Algorithm Revisited	Haimin Jin
71096	An Adaptive Dual-antenna TD-SCDMA Receiver Blind Algorithm based on MSNR	Xuanmin Lu
60354	LSBA Based Security Verification in MCC	Zhenhao Li
60451	Three-Layers Role-based Access Control Framework in Large Financial Web Systems	Zhichao Wen
79999	A Kind of Novel Constrained Multipath Routing Algorithm in Mobile Ad Hoc Networks	Chunhua Xia
60702	Design of Water Environment Data Monitoring Node Based on ZigBee Technology	Xia Hongbo
60316	A Modular Numerical Control System Based on Embedded Technology	Zhengyi Li

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2<sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel

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71093	The Study and Implementation of Face Recognition And Tracking System	Kai Chen
71364	A New Remote Sensing Image Registration Approach Based on Retrofitted SIFT Algorithm And a Novel Similarity Measure	Zhili Song
70084	The Study of Porous Media Reconstruction using a 2D Micro-CT Image and MPS	Yanlong Wang
70349	A Novel Bounding Sphere Scheme to Compute Intersection of Subdivision Surfaces	Shiqi Ou
71112	A Hybrid of Particle Swarm Optimization and Ensemble Learning for Credit Risk Assessment	Cheng-An Li
71370	Research on Multi-sensor Information Fusion for the Detection of Surface Defects in Copper Strip	Zhang Xue_Wen
70499	Liver Cancer CT Image Segmentation Methods based on Watershed Algorithm	Jianhua Liu
71220	Face Recognition System Using SVM Classifier and Feature Extraction by PCA and LDA Combination	Jianke Li
70328	3D Model Simplification Algorithm Based on Meaningful Segmentation	Tang Yan
60308	Path Following Algorithm for Phase Unwrapping Based on Priority Queue and Quantized Quality Map	Heping Zhong
71223	Driver Eyes Identification Based on Infrared Illuminator	Wei Di
70863	An Efficient Algorithm for Intersection, Union and Difference between Two Polygons	Zhiyuan Lin
70292	3D Reconstruction and Visualization for Wing Structure of High-aspect-ratio Aircraft	Zhu Xiaojin
71200	A Research of Distance Transform based Peeling Algorithm for Overlapped Fibers Separation	Le Zhang
70720	Off-line Chinese Signature Verification Segmentation and Feature Extraction	Ji Jun-Wen
71553	Cognitive Vision Inspired Corner and Vertex Detection Based on Endstopped Neurons	Wanying Xu

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71042	Outlier Mining Based Algorithm of Infrared Dim Target detection in Sea and Sky Background	Runzhi Zhou
71118	Research and Implementation of Automate Segmentation for Low Contrast Medical Images	Qing Chang
70315	Research and Comparison of Control Methods of Vehicular DYC System	Weida Wang
71116	Mixed Wavelet and Median Filter for Image Denoising	Guiquan Xi
71486	Documents Clustering Based on Optimized Compressibility Vector Space	Nuo Zhang
60694	Edge contraction simplification based on DEM terrain	Dong Wei
71429	A Novel Reconstruction Strategy of Half-versus-half for Multi-class SVMs	Xiaoh Wang
60858	A Fast Cooperative Algorithm for Stereo Matching	Yuan Cheng
71474	Summarization Extraction Method for Surveillance Video Based on Color Spatial Distribution Characteristic	Jun Chang
71468	Radar Image Simulation Based on 3d Scene Database in Marine Simulator	Hongxiang Ren
60239	Fitting Noise Power Spectrum Parameters By Squared Distance Minimization	Na Lei
71102	An Adaptive Denoising and Enhancing Algorithm Based on the MAP Rule in the Contourlet Domain for Infrared Image	Liu Gang
71524	Wood image retrieval using SIFT descriptor	Shaoli Huang
71549	A Simple Real-Time Method For Modeling And Rendering Clouds	Xiaoyan Hu
70827	Depth Recovery from Bifocus Imaging	Dan Zheng
70801	An Algorithm of Extracting Features from Point Set Models	Pang Xu-Fang
71155	MAP-based Single-frame Super-resolution Image Reconstruction for License Plate Recognition	Zhan Li
70135	A Image Encryption and Sharing Algorithm based on Chaos and Indeterminate Equation	Yuan-Biao Zhang
60130	Research and Realization of a Volume Rendering Algorithm Based on Shear-Warp Volume Rendering Algorithm	Zhanfang Chen
70284	Analysis of Inflection Points for Planar Cubic Bezier Curve	Zhiyi Zhang
70643	Threshold Estimation Based on Perona-Malik Model	Hui Shao
71296	Visual Cognition Assessment of Compressed Remote Sensing Images	Chengzhi Sun
70434	Machine-Printed Traditional Mongolian Characters Recognition Using BP Neural Networks	Hongxi Wei
71248	Quantization Algorithm for Color Image Coding Based on Multi-dimensional Vector Matrix DCT Orthogonal Transformation	Linlin Deng
70370	Blind Detection of Digital Forgeries Using Detection Trace of Eclosion	Tao Jing
70155	Based on RBF neural network of the heat load forecasting and research	Junru Gao
70410	An algorithm of Text Automatic Proofreading Based on Chinese word Segmentation	Huawei Zhang
70768	Structure-Based Mesh Completion	Dehui Zhang
71480	Handwritten Character Recognition Using HMM Model Based on Bagging Method	Yan Zhang
60407	Fast and Dynamic Generation of Linear Octree Based on Depth Buffer	Xian-Cheng Mao
70642	Constructing the Voronoi diagram of planar point set in parallel	Lanfeng Dong
71454	A nowcasting integrated display platform for FY satellite data based on MATLAB GUI	Nan Li
70081	Image Deformation Based on Cubic Splines and Moving Least Squares	Shungang Hua
60392	Camera Calibration based on Circular Markers	Liang Li
70641	A New Image Mosaic Algorithm Based on Fuzzy Sets Recognition Method	Xiangxin Shao
70645	Finger-vein Recognition based on the Score Level Moment Invariants Fusion	Xiaohua Qian
71319	Fingerprint Image Preprocessing based on Whole-Hand Image Captured by Digital Camera	Pengfei Yu
70538	Three Dimensional Stratum Modeling and A Fast Algorithm for Arbitrary Cutting Based on Half-Edge Structure	Xi Liu
70536	Precisely Reconstruct Porous Media Model Based on Synchrotron Radiation Slice Images	Bo Song
70705	Image Fusion Based Concealed Weapon Detection	Wang Yajie
70412	Incidence adjacent vertex-distinguishing total coloring of graphs	Zhang Zhongfu
60817	Distributed Shared Memory Architecture for NoC-based Multi-Processor	Nanxiang Mei
60771	A Method for Deducing Interpolating Subdivision Schemes From Approximating Subdivision Schemes and Blending Subdivisions	Dansen Cao

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70567	A new Video Image Edge Detection Approach	Shi-Yin Li
70319	A Rule-based Sports Video Event Detection Method	Wei Li
71436	Fog Removal from Video Sequences Using Contrast Limited Adaptive Histogram Equalization	Zhiyuan Xu
60510	The research of image registration algorithm based on digital subtraction	Mu Yining
70476	Real-Time GPU-Based Visualization of Tile Tracks in Dynamic Terrain	Dong Wang
70181	Research on Triangulation Method of Object Surface with Holes in Reverse Engineering	Chen Shaoke
70066	The Design and Realization of The SVG Graphic Transfer Plan in SIS System	Song Ren-Jie
60219	The Method Research of Vehicle Image Preprocessing and License Plate Location	Jianxia Wang
70387	ECG Beats Feature Extraction Based on Geometric Algebra	Zhao Yong
70559	A Moving Target Detection Algorithm Based on the Dynamic Background	Yangquan Yu
70690	Contour Image Match and Its Application in Underwater Navigation and Positioning	Zhao Jianhu
60417	Unusual Event Detection Without Tracking	Zhen Wang
70270	Document Representation Using Nonnegative Matrix Factorization	Xiaobing Pei
70766	An Improved PSO Method for Detecting Feature Points of Large-scale Point-based Models	Yinan Lu
70995	Automatic Construction of Active Appearance Models as a Face Synthesis Problem	Xiaoli Huang
71122	Fuzzy Integrative Performance Evaluation for Strategic Supplier under Supply Chain Management	Jianhua Yang
71105	Parameters tuning of Fuzzy Controller for rotated pendulum Based on Improved Particle Swarm Optimization	Dongyun Wang
71251	A Novel Method for the Fingerprint Image Quality Evaluation	Zheng Li
70576	Gestures' Smooth Motion for Chinese Sign Language Synthesis Based on Video Joining	Ru Wang
70664	Data Block Partition and Database based Large Scale Terrain 3D Visualization	Wenyuan Zhang
70627	A Framework of Large-scale Terrain Visualization Based on GPU	Li Bo
70942	Using Linear Regression Analysis for Face Recognition Based on PCA and LDA	Gang Xu
70152	A New Triangulation Algorithm Based on the Determination of the Polygon's Diagonals	Hai-Ying Sun
60056	The Application of Zerotree Wavelet on Image Watermarking	Jingzhong Wang
70590	An Adaptive Algorithm for Harris Corner Detection	Zhiyong Ye
70844	MST Segmentation for Content-based Medical Image Retrieval	Yinan Lu
70406	Power Factor Improvement in Industrial Facilities Using Fuzzy Logic Excitation Control of Synchronous Motor	Huiyong Xu
60614	Improved algorithm for computing Convex Hull of plane point set	Dong Wei
70823	3D Visualization of Stratum with Faults Based on VTK	Fangli Ning
70922	Image Denoising Using Information Measure and Support Vector Machines	Shen Huan
71104	An Automatic Detecting Algorithm of Impurity in Medicinal Liquid based on Fuzzy Adaptive Threshold	Zhong-Xing Duan
60140	A Novel Algorithm for Line Clipping	Wenjun Huang
71446	Study on Simulation Training System of Ship Fire	Hongxiang Ren
70707	An efficient Sub-pixel Edge Extraction Method for CT Brain Images	Cao Ying
70743	A Survey of Dynamic Motion Generation and Control for Virtual Characters	Shilei Li
70409	The Synthetic Evaluation Method of Fuzziness of Training Quality of Masters of Engineering	Cai Huilin
71015	Estimation of Deformation Degree with Uncertainty and Missing Data	Yaming Wang
70173	Color Image Segmentation Based on Color Similarity	Shikai Wang
70208	Traffic Sign Classification Based on Support Vector Machines and Tchebichef Moments	Lunbo Li
70652	Post-Forecast OT: A Novel Method of 3D Model Compression	Su Cai
70672	Trust Network Based Fuzzy Knowledge Sharing in Semantic Web	Changli Zhang
71332	Exploring Image Context for Semantic Understanding and Retrieval	Hong Zhang
70568	A Frequency Domain Analysis Based Gait Feature Representation	Mu Hong-Bo
71312	Wood Image Retrieval Algorithm based on Keyblock Distribution	Wei Song

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70289	Study of Multi-Resource Data Assisting Issue of Remote Sensing Image	Binbin Hao
70948	Comparison of Image Quality Objective Evaluation	Shen Hong-Ying
60328	A Novel Evolutionary Algorithm with Component-based Model	Shen Li
60709	Spatial Resources Management and Discovery Framework in Grid Environment	Zhenzhen Yang
70448	A Clustering Hierarchy Based on Data Fusion in Wireless Sensor Networks	Kai Lin
71073	Control System Design of Automatic Down-Filling Machine Based on TMS320F2812	Qiao Qiao
70364	Intelligent Computation and Precise Measurement of DNA Content in Cell Nucleus	Gang Lu
71219	Research on Text Classification Algorithm By Combining Statistical and Ontology Methods	Guoshi Wu
71487	A New Hyperchaotic Model and Its Realization	Chunyan Han
60634	Distributed Top-k Complex Event Processing for RFID Application	Yongheng Wang
60797	A Two-phase Mapping Method for Parallel Applications Simulation	Jianbin Fang
70325	PCA Based Characteristic Parameter Extraction and Failure Recognition Using LS-SVM	Ming Tingfeng
60190	An Improved Mobile Node Fast Handover Algorithm	Na Lin
71401	An Improved Cache-based PTSVM Learning Algorithm	Yong Piao
70738	An Improved Design on Performance and Cache Miss Rate for Set-Associative I-cache	Zhengxing Li
60332	Multi-Agent Cooperation Based on Interest Group	Zhigang Huang
60170	The Replica Management in a Spatial Data Grid	Pengfei Wu
71437	Cloud Computing in Port Industry	Yuan Zhao
71075	Evolutionary Computing Optimization for Parameter Determination and Feature Selection of Support Vector Machines	Sheng Ding
60352	Ultra High Throughput Architectures for SHA-1 Hash Algorithm on FPGA	Liehui Jiang
70841	Classification methods of Credit Rating – A Comparative Analysis on SVM,MDA and RST	Chun Hsu
70201	Research on porting technology of Kaffe virtual machine based on ARM7/uClinux	Jing-Mei Li
70943	Adaptive Sparse Factorization for Even-determined and Over-determined Blind Source Separation	Fuxiang Wang
71348	Mutual information minimization for under-determined blind source separation	Fuxiang Wang
71261	A Trustworthiness-Based Access Control Model in Grid System	Taige Jin
70583	An Asynchronous Clustering Algorithm for Wireless Sensor Network	Yang Yong_Lei
70977	A Term Weighting Approach with Subjective Logic reasoning for Text Categorization	Qingzheng Jiao
70574	A Method based on Generation Models for Analyzing Sentiment-Topic in Texts	Na Fan
60394	Screen Mouse - An Innovative Hands Free Interface for Large Scale Screen Navigation	Yinlin Li
70592	The Key Technologies Research of Spatial Data Mining Based on the GIS Grid Services	Wenyou Fan
60849	Research of Matrix Inversion Acceleration Method	Yingying He
70545	Based Hybrid Method for Chinese Location Recognition	Suxiang Zhang
70507	A Dynamic Trust Model with Recommendation Credibility in Grid Domain	Wang Meng
70548	Design of High-speed Information Transmission Equipment Based on IEEE1394 Bus	Zhao Xiao-Jun
60736	Retrieval of three-dimensional wind field of typhoon by SVVP method	Nan Li
71508	Interactive GIS-Based Interface For Time-Critical Application	Wenjuan Fan
70579	Thread Priority Sensitive Simultaneous Multi-Threading Fair Scheduling Strategy	Lian Cheng
70235	TTN: Towards Trust Negotiation for Grid Systems	Junwei Huo
60829	Dynamic Reputation Management Framework for Unstructured P2P Grids	Qing Ding
70792	A Formal Definition of Logic Topology for One-to-All Broadcasts in Parallel and Distributed Computing	Yuqing Xiong
71141	Interfere-Check Applying to 3D Automatic Pipe Route Arrangement	Liu Deliang
60227	Subspace Affine Pseudoframes with a Generalized Multiresolution Structure and the Pyramid Decomposition Scheme	Xiaofeng Wang
60033	Study on the Fast Response and Adaptability Peer-to-peer Network Based on Optimized Meridian and Gnutella	Tao Wu
60609	Research of improved GA in WSN mobile agent routing algorithm	Guan Tingting

Paper ID	Paper Title	Author
60615	A Software Framework of Message Passing for Parallel Computing on Embedded DSP Systems	Xi-Min Wang
70269	Adaptive Nonnegative Matrix Factorization Method	Xiaobing Pei
60158	Performance Analysis of Prefetching Thread for Linked Data Structure in CMPs	Yan Huang
60750	A Domain Based Two-Layer Autonomic Management Model in Grid Systems	Jiangfeng Li
70650	Research on Parallelism of Mass Memory based FLASH Data Recording and Replay	Zhang Weigong
60226	An Algorithm for Designing Vector-valued Wavelets and the Presentation of Vector-valued Wavelet Packet bases	Hong-E Wu
71252	Numerical simulation on the gas-phase flow field in 900 curved duct with different inclination angle	Hu Yanhua
71144	Design of the Signal-Processing Circuits of Weak signal Detection	Daowen Liu
70826	Geometry Knowledge Acquisition and Representation on Ontology	Li She
70056	Design and Simulation of PCI Express Transaction Layer	Wang Lihua
60494	An Online Scheduling Algorithm for Reconfigurable Tasks Based on Dynamic Planning Preemptive Threshold	Huang Wanwei
60413	Process Algebra for Web Servers with Timed-Priority Executing Policy	Guang Zheng
71036	Balance K-means Algorithm	Hongjun Wang
71013	A Thread-level Pipeline Parallel Model for CMP	Huifang Guo
60816	Micro-Payment Platform Based on Incentive Compatible Mechanism in P2P Systems	Qingjie Wang
60679	A New Strategy for P2P Server Resource Allocation	Wei Zhou
60396	Intelligent Structural Optimum Design for the Circle Support Structure of Deformable Mirror	Fu Zhao
60782	Review of Image-Based Facial Expression Generation Techniques	Min Qi
60618	Cluster Computing and Its Application on Kinematics Analysis of Parallel Manipulator	Wenjun Liu
60432	Research and Improvement of Mechanism of Searching Resource in Chord Network	Zhigang Wang
60766	Numerical Simulation about NO <sub>x</sub> Reducing by Straw Reburning in CRF Furnace	Manyin Hu
60508	A Group Semidirect product Construction Method with Applications to Interconnection Networks	Wenjun Xiao
71080	An optimizing search based on Kernel-based Fuzzy C-Means Clustering	Jinxian Lin
71537	Memory Management in Java Processor Optimized for RTSJ-cise09-ZLCHAI	Zhilei Chai
60211	A multi-level P2P architecture for video-on-demand systems	Song Wang
71368	Optimal-Weight Selection for Regressor Ensemble	Kun An
70653	A Circular Buffer Mode Design Based on BU-61580	Rong Jinye
70649	Research on A New Real-time Bad Block Replacement Algorithm	Qiu Qinglin
70430	A Bilateral Teleoperation System for Planetary Rovers	Chang-Qing Yu
70291	Research and Implementation of Intelligent and Four-Axletree Robot	Yue Tan
60824	AMIR: An Active Multi-path Inter-Domain Routing Protocol	Wang Hexing
60566	QoS-aware GASA:A QoS-aware Grid Resource Selection Optimization Algorithm	Ning Qi
60731	Parallel Image Registration with OpenMP and MPI	Jiang Murong

## Poster Session 3: Software Engineering

2<sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel

15:20 - 16:00, Sunday, December 13

Paper ID	Paper Title	Author
60318	New Research on Causal Mixed-phase ARMA Model Order Determination	Shao-Shui Wang
60574	Simulation and Experimental Studies on the Temperature Field of a Wet Shift Clutch during one Engagement	Jinle Zhang
70425	Automatic Test Data Generation Based on SAMPSO Algorithm	Fuqiang Wei
70138	Dual Parameters Weibull Distribution-based Rate Distortion Model	Yan Huo
70132	Stability Analysis and Simulation of Nonlinear Ship System under Stochastic Wave	Siyi Qin

Paper ID	Paper Title	Author
71513	A Role-Based Hierarchical Administrative Model	Huawei Zhong
60320	A QoS-aware Service Composition Optimization Based on Logical Structure	Guoping Zhang
60278	Modeling and Simulation of Gun Barrel's Lateral Vibration	Yin Junhui
71372	Threat level forecast for Ship's oil spill - Based on BP Neural Network Model	Wenxue Cai
71052	Design and study on police intelligence analysis system based on GIS	Wenyou Fan
60565	Evaluation of Uncertainty of Heating Measurement System	Lide Fang
60212	The Simulation of Coherent Structures with Inverse Initial Rotating models in a Laminar Boundary layer	Weidong Cao
60299	A Semantic Distance Measure for Matching Web Services	Yang Hui-Rong
70317	Copulas Model for Reliability Calculation Involving Failure Correlation	Jiayin Tang
60169	SOA Solution of Adaptive Learning System in Semantic Learning Web	Baiping Huang
71068	The Spatiotemporal Analysis of Urban Sprawl Using Remote Sensing Data and Geographic Information System in Shenzhen, China	Zhi-Qiang Lv
71040	Study on Simulation and Experiment of Chaotic PR Sequence	Chunyan Han
71476	A Novel Switched Chaotic Model	Chunyan Han
70457	Research on Predictable Scheduling Strategy of Virtual Computing Systems Based on Lookahead	Liu Shixi
60662	A New Algorithm of AE Localization Using Sub-gradient Projection	Aidong Deng
71503	Formal Description of Component Services	Longye Tang
71221	SDO based Data Integration Solution for Civil Aviation Information System	Xudong Li
60317	Automated Selection of Test Paths from Architectural Descriptions	Lijun Lun
60357	Modeling and Simulation of the Direct Self Control System of Brushless DC Motor	Liu Qing-Rui
71382	A Software Process Tailoring Approach Using a Unified Lifecycle Template	Rui He
60710	Energy-saving analysis for a 600MW coal-fired supercritical power plant	Zhiping Yang
60322	RESTful Web Services: a Solution for Distributed Data Integration	Jian Meng
60371	Surface Mesh Reconstruction Based on Contours	Zhenhua Wang
60291	Center Guided Flocking Motion of Multi-agent Using Fuzzy Logic	Hui Yu
71391	Injection Molding and Warpage of Thin-walled Parts Based on Simulated Deformation	X.M. Cheng
71233	Research of Spread Spectrum Communication System Based on Phase- Inversion Symmetric Method	Yan Chen
71484	Improving Classification Efficiency of Orthogonal Defect Classification Via a Bayesian Network Approach	He Wang
60823	Grey Model for Time-dependent Vertical Ultimate Bearing Capacity of Concrete Pile in Soft Soil Area	Wei Wang
71442	Development of an Animation-making Software Applied in Education	Yu Chao
60857	Kinestatic Modeling and Analysis of a New 3-DOF Parallel Manipulator	Guohua Cui
60671	Numerical Simulation of Pitot Solid Fuel Ramjets	Bo Sun
70451	Evaluation Of Complex Network Model Based On Cloud Model	Yuhong Zhao
70162	Numberial Simulation of Flood Routing In the Fluvial System	Xiaonan Wang
71430	The Dynamic Management System for Measurement Certificate/Report based on SOA	Chang Hu
71458	Peeking into Developers' Testing Process	Gudrun Jeppesen
60200	Research on Freeway Networks Management Information System Based on GIS	Li Li-Fan
70051	An approach for Software Architecture Refactoring Based on Clustering of Extended Component Dependency Graph	Zhong Lin_Hui
60665	A Study of the Endoscopic Surgery Simulation Training System Based on 3D Virtual Reality	Yu Song
60726	Research on Service-oriented business rules of the coordination and integration mechanism	Wang Cheng-Liang
71335	Research of the quick checking for the high-density electronic circuits	Jianguo Jiang
60792	Speech Recognition in Aphasiac Rehabilitation Based on Wavelet	Jingyi Du
60256	Study on Mathematical Model of Sediment in Fluctuating Backwater Area	Fan Yong
60377	Model-Based Adaptation of Component Behaviors	Zheng Jian
70617	Research on Application of DSI in Fitting Geological Curved Surface	Wang Qing-Niu
60054	Design and Implementation of the Embedded Software Testing Platform for the Gun Fire Control System	Han Weijie

<b>Paper ID</b>	<b>Paper Title</b>	<b>Author</b>
70607	An EBM based dynamic vehicle routing algorithm	Wenxue Cai
70527	A framework for B2B E-Procurement Platform Based on Agents and Web Services	Lancui Liu
71351	Application of MVP Architecture in Reengineering of Legacy Financial System	Bo Wu
71081	Using AJAX to Optimize Web Services Performance	Chen Zhenxing
70521	Evaluating Extreme Programming Effect through System Dynamics Modeling	Yang Yong
60686	Software Reliability Prediction Based on Discrete Wavelet Transform and Neural Network	Cong Jin
70479	GUI Test Case Definition with TTCN-3	Xuezhi Xing
71464	Study of SECI and Organizational Strategy on Knowledge Sharing for Collaborative Product Design	Heng Xu
60183	Coating technology modeling and simulating using virtual instrument	Lei Xinye
70618	High Bandwidth Real-time Network Traffic Generation with Self-similarity	Shuai Yuan
60673	Software Testability Measurement Based on Rough Set Theory	Jianping Fu
60435	Research on Quality Control and Quality Characteristic with Knowledge Management System	Heng Xu
70231	A Device Integration Framework based on Service	Liu Feng
60013	A Study on a Simplified Modeling Algorithm and its Application in Rail Transit Network	Houqin Su
70676	Collaborative Design Based on Organization Norm and CNP	Jun Zhao
60094	Formal Derivation of the String Scheme Number Combinatorics Problem with PAR Method	Lingyu Sun
70079	The Study for Equipment Management System in Coal Industry	Bensheng Yang
60365	Simulation and Experiment of Water Thrust of Wastewater-treatment Mixer	Tian Fei
60139	Forecasting of Time Headway Distribution in Merging Area of Urban Expressway Interchange Based on RBF	Xiaodong Zang
60333	Numerical Simulation of Base-isolated Methods of Multiple Building Structures	Yuan Zhengguo
70398	A Personalized Searching Technology for 3G based on Subject-words Customizing Model	Guo Shuhang
60230	Mindbugs in Software Process Improvement	Jiangping Wan
70697	Simulation of resistant shock capability of missile launcher based on DDAM	Jiang Tao
70483	A Trustworthy Component Selection Mechanism	Hu Jinglin
60146	The Trust Measurement Algorithm of Agent Internetware for Architecture-centric Evolution Model	Xiaona Xia
70736	Research on STEP-NC based Machining and On-machine Inspecting Simulation System	Junzhe Tan
71121	Model Integration Framework for Computer Numeric Control System Design	Zheng Jian_Hua
60487	Integration by Virtual Web Service between XML/EDI and web application	Yugen Du
71277	Simulation and Experiment Study of Hydraulic Buffer of Track Vehicle	Mao Pang
70629	Research of enterprise Application Integration base on Service Oriented Architecture	Wei Lu
60388	Tree Growth Simulation Method Based on Improved IFS Algorithm	Huaiqing Zhang
60770	Research on Application of Cache Model Based on Airline Accessibility Services	Jun Lu
70616	A Gaussian Based Dynamic Freeway Segmentation Algorithm	Huiling Zhong
70555	The WSMO-QoS Semantic Web Service Discovery Framework	Shuyu Li
60599	Steering Fuzzy PID control for tracked vehicle with hydrostatic drive	Lei Yang
71500	Finite State Machine for Automatic GUI Testing	Hu Jin
70259	Research on Service Usage Pattern Mining Method in the Distributed Context	Zhu Hongkang
60795	Research on Reverse Engineering Technology of Complex Product	Li Quanqing
60531	The Empirical Research on carrying out Financial Transformation of Telecommunication Companies	He Ying
60197	A Method of Detecting Program Plagiarism Based on Variable Dependence	Hong Yang
60132	Web Information Extraction Based on Hierarchical Model	Yaqing Liu
60237	Dynamic Behavior of A New SEIRS Model on Complex Networks	Sijun Peng
71158	A framework of distributed pair programming system	Wanfeng Dou
71237	Self-calibration Algorithm for the Amplitude and Phase Error of the Multiple Beam Antenna	Jian Wang
60368	Research on Two Stage Evolutionary Modeling Based on Gene Expression Programming	Li Huang

Paper ID	Paper Title	Author
70210	Adjacent Vertex Reducible Vertex-Total Coloring of Graphs	Zhu Enqiang
60793	A Hybrid Algorithm of Converse Ant Colony Optimization for Solving JSP	Xiaoyu Song
60238	An improved SIRS epidemic model on complex network	Hua Han
70902	Study and Application on Simulation Software Using KIVA-3V Code	Yongfeng Liu
60164	Design of Virtual Instrument Software SystemBased on Nested State Machine	Ming Yin
71168	Modeling the Immune Response to HBV Infection	Long Changjiang
70214	Optimization in Operation of Bidding Decision-making Module Based on Business-to-business Electronic Construction Bid	Li Chen-Yang
70193	Research and Implementation of Cross-platform EIM Client Based on Smack	Wei Xiong
70654	Simulating Wireless Sensor Network Middleware Using Compute Unified Device Architecture	Li Peng
60453	The Applications of Pressure Test in the B/S System	Dan Liu
70218	Research on Tactics Decision of Air-to-Ground Multi-target Combat	Hua Lu
70637	A Hierarchical Modeling Approach of Business Process	Zhang Ke
60344	On the Relation of Software Architecture Testing Criteria to Generate Test Paths	Lijun Lun
70597	A Embedded Software Testing Process Model	Hua-Ming Qian
60293	A Wavelet-galerkin Method for The Solute Transport Equations in Groundwater	Qingquan Duan
70926	An Empirical Research on the Mechanism of Service Recovery and Customer Loyalty in Network Retail	Chang Yaping
71355	Behavior-oriented Requirement Description Language	Yu Yao
70511	A Multi-layer cloud state space model and its application	Aiyan Wu
70176	Analysis on the Interaction Effect between Interconnection and Price Competition in Telecommunication Industry	Hexu Zhao
60185	The New Approach of Teacher Professional Development Under Ecological Approach	Miaomiao Zeng
60271	Word-cell based on Type-2 Fuzzy Set	Zhi-Quan Xiao
60672	Study on Running Simulation for ESP Flue Gas Conditioning System in Power Plant	Yin Qi
70666	Extended Use Case Points Method For Software Cost Estimation	Fan Wang
70937	Dual-slices algorithm for Software Fault Localization	Liu Yanbin
70543	Research on Credibility of HLA Warfare Simulation	Jianbing Tang
70968	Research on VV&A for Large-scale Complex System Simulation	Jianbing Tang
60061	3D- Modeling and Simulation of Mechanics Properties Analysis for 3D-Braided Composites CNGV	Laiyuan Xiao
60677	Numerical simulation of combustion of circulation fluidized bed biomass boiler	Han Jing
60409	Failure Analysis for Materials based on Failure Analysis Cases	Wang Qingmei
71333	Iterative Partial PIC for Convolutionally Coded Multi-Carrier DS-CDMA	Guoxiong Xu
71067	Automatic Test Task Allocation in Agent-based Distributed Automated Testing Framework	Jing Gao
60108	A Framework Model of the E-campus Management System Based on SOA	Xin Xiaoxia
60580	A wireless scheduling strategy base on Rea-time operating system	Guozhen Hu
70523	Researching on Controlling Model of IDS Alarm	Xiaoli Guo
71254	Development of Rapid State Monitoring System based on LabVIEW	Du Wei
60496	Ancient Ruins Real-Time Interactive System Based on VR-GIS Platform	Baoxiang Huang
60627	RESEARCH ON RISK MANAGEMENT OF COMMUNICATION PROJECTS BASED ON AHP	Zhao Yu-Mei
70704	Design of Component Retrieval Framework for Active Service	Xingli Xi
70695	An Improving Approach for Recovering Requirements-to-Design traceability links	Fangshu Di
71545	Quality Process-Oriented Software Credibility Measurement and Assessment	Hongbing Qian
70462	Result Validation Tool for Guidance Simulation	Peng Jiao
70771	Wavelet Domain Dual Bi-tree Set-Based Coding Algorithm of 1D Graphics Data	Shigao Li
60267	Random Finite Sets and Gaussian Mixture Probability Hypothesis Density Filter inMulti-target Tracking	Meng Fanbin
71019	An Environment-aware Particle Swarm Optimization Algorithm for Services Composition	Long Jun
70678	GIS-Based Decision-Support Systems &#65288;DSS&#65289;for Resources Analysis and Design	Yuhui Huang



Paper ID	Paper Title	Author
60355	A load management system for cluster web servers based on request content	Tian Chun Qing
60700	A Dynamic Metrics Method for Test Case Reuse Based on Bayesian Network	Zhang Juan
70279	B Method Based Framework for Correct Software Development	Xiaoli Liu
60664	Numerical Investigation of components length of china-type valveless pulsejet	Wenxiang Cai
70953	On Scheduling Methods of Large-scale 3D City Building Models	Yingjie Wang
71149	Study of Moisture Test for Grain Based on Neural Network and Mechanism of Multi-sensor	Jishun Jiang
60380	MCHRC: Min-Conflict Heuristic Based Web Services Chain Reconfiguration Approach	Haifeng Li
60500	Hierarchical Control for Urban Traffic Trunk Roads based on Multi-Agent	Guihong Zhu
70487	Research on Counterexample Search Based on Simulated Annealing Genetic Algorithm	Junmin Ye
70947	Component-based Virtual Globe Visualization Engine Design	Bin Hu
70775	Research on Cell Phone Software Testing Strategy	Guitao Cao
60493	Research and Implementation of Component Candidate Set Based on Reconfiguration Router Unit	Liu Qiang
70950	3D City Building Hierarchical Models Representation and Data Organization	Xue Yang
70949	Organization and Management of Mass Multi-source Spatial Data	Yang Wang
60147	Analysis and Implementation of Software Metric for Object-Oriented	E Da-Wei
60367	Automated Generation of Similar Paths for Localizing Program Faults	Junmin Ye
71089	Research on the Evaluation System of IT Project	Li Ming
71088	Formation of a new manufacturing resource model based on virtual manufacturing cell	Guo Ning
71343	Numerical Simulation in Combustion Space of an Oxy-fuel Glass Furnace with the First Pair of Burners Arrangement Changed	Shuxia Mei
71108	Research on the Valuation Types and Contents of IT Project	Feng Hui
60210	A Unified E-Government Information Management Platform Based on Web GIS Technology	Xiaolin Lu
70646	The Design and Implementation of Art Examination Management System Based on SOA	Shan Liu
71497	Synthesis of 3D Aging Faces Based on Color Gabor Wavelet and Texture Transplant	Huilin Si
60247	Design of Remote Monitoring System Based on OPC Techniques	Wu Xuetao
60379	Layered Structure of Models in Complex Circuit Virtual Maintenance System	Bo Dong
60201	Scheduling FMS with a hybrid heuristic search algorithm	Bo Huang
70999	The Numerical Analysis of Induction Heating Furnace Temperature Field	Shu-Guang Fu
71106	Ro-ro Terminal Business Process Based on RFID Technology	Shifeng Liu
70632	Study of Grid GIS in Digital Mine	Huide Liu
71035	Design of Community Information Management System Based on WebGIS	Huide Liu
71090	Research on the Tender Offer cost of IT project	Feng Jingchun
71404	Influence of Sample Size on Prediction of Animal Phenotype Value Using Back-Propagation Artificial Neural Network with Variable Hidden Neurons	Xue-Bin Li
71366	GIS technology in the hydrological Industry	Wenyou Fan
70623	An Approach to Analyzing Inter-Class Control Dependence of programs with Exception-Handling	Yanmei Zhang
70742	Dynamically Discovering Functional Likely Program Invariants Based on Relational Database Theory	Xiaohua Yang
60851	Shortwave propagation over oceans and HF propagation Prediction model	Xiao-Ping Tian
60856	Design of a 20MHz–3GHz Broadband Low Noise Amplifier	Lei Chen
71182	Research on Positive and Negative Association Rules Based on “Interest-Support-Confidence” Framework	Yanguang Shen
60440	Numerical Simulation of Coal and Natural Gas Co-combustion in a Rotary Kiln with Different Excess Air Coefficient	Junlin Xie
71573	Focus Error Analysis and Simulation in Multi-layer Data Storage System	Jun Li
60021	Simulation of Thermal Comfort in Air-Conditioning Room by Aripak	Lin Qiu
70186	The Smarandachely adjacent-vertex total coloring of threeclasses of 3-regular Halin graphs	Li Jingwen
60111	A Hybrid Approach to Build Prioritized Pairwise Interaction Test Suites	Xiang Chen
70069	Intelligent Maintenance System for Construction Machinery Based on Collaborative Kansei Engineering	Yang Yong

Paper ID	Paper Title	Author
71336	Study and Implementation on the Visualization System Based on Strata Information	He Huang
60513	Intelligent Optimization Algorithm for Nonlinear Function	Jian Guo
71415	On Test Case Generation for Interactive Software	Wen-Jing Cao
60434	A Development Process of KMS based on Systems Engineering Methodology	Heng Xu
70714	Compliance Check in Trust Negotiation Model based on Petri Nets	Li Bin
70655	Research on Component Technology for Reconfigurable CNC System	Shaohua Du
60699	Themes Updating Model based on TIBG	Guangli Zhu
60860	Modeling and Stability Analysis for a Class of MIMO NCSs Based on Multi-Packet Transmission	Ming Jiang
70837	Harmonic Suppression and Simulation Based on Matlab	Shihong Wu
60188	Thermal Contact Elastic-Plastic Finite Element Analysis of Hole-structure	Yongjie Zhang
71311	Architecture Design Of Intelligent Platform For MIS	Huang Qing
70492	A Service-Oriented Analysis and Design Approach Based On Data Flow Diagram	Yun Zhao
71297	Tabu Search and Genetic Algorithm to Generate Test Data for BPEL Program	Yu Bo
60403	Discussion on Definition and Use of Variables in Z Formal Specifications: An Example	Qing Mao
71322	Study on Mathematical Model of Temperature and Stress for Thin Slab in Continuous Casting	Xing Jin
71406	BPNN and GIS based Construction Land Geo-Environment Suitability Evaluation: Case from Hangzhou, China	Liqin Zhang
70416	Design and Implementation of a Fingerprint Authentication System under B/S Architecture	Xibo Wang
70594	Memory Leak Dynamic Monitor Based On HOOK Technique	Qu Binbin
60667	Warshall based detection of conflicts and dependencies in graph transformation system	Junbing Chen
71164	A Business Component Model for Domain-Specific Software	Feng Jiao
60785	Influence of radiation model on numerical prediction of two-phase reaction flow	Wenxiang Cai
60794	Building RFID Application Based on AOP and IOC Technology	Lu Ye
60504	VHDL Modeling of Particle Swarm Optimization Algorithm	Feng Tian
60400	Managing Resource Repository of a Software Product Line with Feature Model	Li Zheng
71517	Scheduling of BOF Producing Molten Steel for CSP and PM	Husheng Lu
60361	Numerical Simulation of Coal and Natural Gas Co-combustion in a Rotary Lime Kiln with Different Types of Coal	Junlin Xie
71315	Design and Implementation of Online Stock Trading System	Huazhu Song

## Poster Session 4: Information Technology in Education & Computer Application

2<sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel

16:00 - 16:40, Sunday, December 13

Paper ID	Paper Title	Author
80442	DWT-Based feature Locating Digital Watermark Technique	Yongping Zhang
80447	The explore of the Web-based Learning Environment base on Web Sequential Pattern Mining	Haiyan Wu
80483	Data mining in teaching quality analysis: a case study in college English teaching	Yang Wu
60635	A Node State-Based Adaptive Topology Protocol for P2P Networks	Wei Lu
80362	Analysis on the group risk in crowd massing public venues	Jianfeng Li
70331	Study on Key Techniques of Query Expansion based on Ontology and Its Application	Dongsheng Zhai
80441	Discovering Social Network to Improve Recommender System for Group Learning Support	Xin Wan
80283	Foundations of Incomplete Contract Theory:A Survey	Yunhong Hao
80346	BUAA_AntiPlagiarism: A System To Detect Plagiarism For C Source Code	Hao Xiong
80321	Interaction Design Method Research In E-Learning Based On Eye Tracking	Qin Jingyan
71467	A Control Mechanism of The Physical Simulation Experiment based on Game Engine	Hongyan Du

Paper ID	Paper Title	Author
80358	Research on Setting up Index System of Modular General Appraisal for Higher Schools	Fa-Zong Qiu
80302	Knowledge Service Models of Digital Library in Distance Education Environment & Their Realization	Mingjie Li
80318	Research on Scientific Research Capability Evaluation Model of National Defense University Based on TOPSIS	Weiwei Liu
71170	Design and Implementation of Web2.0-based XCU2.0	Ling Zhang
80345	Educational Resource Sharing Model Based on Semantic Grid	Ruiying He
80368	The Application Method Based on Compromise Coefficient in Curriculum Evaluation	Liqun Gao
80455	Applying the AHP Approach to Evaluate the Competition of Telecommunications Companies	Jin Jiang
70128	The research of integrated information security education experimental platform	Zhong Wei
80014	Neural Networks Ensemble-based IRT Parameter Estimation	Jiayuan Yu
80193	On Quality Training for Undergraduate Students	Kai Liu
80427	Multi-level Fuzzy Comprehensive Evaluation on the Process of University Students' E-learning	Yi-Nan Su
80115	The Practice of Collaborative Learning Strategy in Logistics Teaching under Network Circumstance	Yong Ye
80236	A strategy research on specialty provision and adjustment of universities in Hebei province based on regional economic revitalization	Jun Guan
80240	Interactive Matlab Programs for Impedance Matching Teaching in Microwave Engineering	Qiang Sui
80190	Motivation and Training Program on Robotics Education	Jiaxin Han
70276	A remote open experimental teaching system based on the campus network	Shouping Guan
80454	Performance Appraisal System for Academic Staff in the Context of Digital Campus of Higher Education Institutions: Design and Implementation	Ning Zhou
70635	Construction of a Web-based Platform for Teaching and Self-learning	Ning Zhou
80221	Realization of a Task-Based Group Awareness Model	Linxia Yan
80241	Comparative Study of Open-source E-learning Management Platform	Jing Liu
80185	Optimize Knowledge Networks to Improve Enterprises' Knowledge Management Performance Based on Complex Networks Theory	Li Chang-Ling
80177	Service System Management of Web-based Learning Platforms	Gang Chen
80179	Value-added Service of Educational Resource	Gang Chen
80228	Deepen the Concept of CDIO and Strengthen Practice Teaching of Engineering Colleges	Binbin Hao
70250	A New Method of Solving the Problem of Resource Islands	Bo Sun
70644	E-Learning Platform Evaluation Using Fuzzy AHP	Qiong Liu
80378	The structure of sales teams' cohesion: Confirmatory Factor Analysis	Chen Zhaoyang
80413	Research on the Diagnosis Learning Technology Based on the Cooperative Evolution Mechanism	Li Wei
80382	Library Blogs: Their Impacts On Library & Information Education	Xiao Qiuhui
70619	Requirement Analysis of Intelligent Course Software	Qiao Tang
71326	An Impact Study of Trust between Entrepreneur and Venture Capitalist on Entrepreneurial Performance	Chao-Hui Yi
80201	Initiative Study on the Process Model for Instructional Design Based on Education Duality	Zhuli Wang
80270	Based on the Phonetic Spelling Correction System Research and Implementation	Li Zhao
80054	Probe into the Teaching of Probability Theory and Stochastic Process	Li Chang-Xing
70584	Research on Thread Scheduling Algorithm in Automatic Parallelization	Yan Sheng
80408	Real-time Video E-learning System Based on Improved Hybrid P2P Structure	Hui Zhou
80556	Reform and Practice of Computing Methods Course Aiming to Cultivate Innovative Talents	Fucui Li
80082	Modelling Knowledge Learning Based on Extended Topic Map	Guangzheng Li
80555	Construct Computer Course E-learning Teaching Mode Based on Student and Campus Network	Jiangchun Xu
70952	Research of the Model for Identifying Knowledge Lack of Employees Based on Bayesian Decision	Junmo Cheng
80473	Educational Professionals: the Effects of Work Ethic on Organizational Citizenship Behaviors	Cheng Qian
70239	Correlation of Anxiety and Motivation in English Language Learning	Bin Zheng
80415	A Case Study about the Information Technology Application in Fundamental-computing Curricula in BCBUU	Li Zheng
70662	Visual Teaching of Basic Mechanics Experiments Based on Motion Detection	Qi Sumin

<b>Paper ID</b>	<b>Paper Title</b>	<b>Author</b>
80261	Research on Web services Application in Distance Education Platform Construction	Yimei Mao
80575	Construction and Evaluation of Principle and Application of Single-chip Course Design	Nan Xie
80203	Research and Implementation of Multi-agent Collaborative Learning Platform Based on XML	Zhan-Sheng Mou
80097	From ex ante Limited Cognition to ex post Negotiations breakdown:An Explanation of taxi Strike in China	Yunhong Hao
70796	Non-fragile H observer-based control for continuous time-delay uncertain systems	Hua Meng
80062	Application of Attribute Theory Model in Health Evaluation of Urban Ecosystem	Xiong Ying
70831	Discuss Rational Integration of Modern Educational Technique and Traditional Pedagogical Model	Li Wang
80267	A Cooperative-Learning Model Based on Network for Public Psychology in University	Qingquan Pan
70794	Task-oriented Capability Requirement Analysis using An Ontology-based Case Reasoning Method	Liu Jingfang
80223	Preliminary Explore on Development Strategies of Colleges and Universities	Xin Zhao
71240	Teaching of Mathematical Techniques in Mass Higher Educations	Fen Wang
80105	Design and Realization of Rocket Battalion's Communication Network Simulation Based on UML	Qingwen Yang
80227	Simulation of Learners' Behaviors Based on Cellular Automata	Haiyan Liu
80550	A novel sequential pattern mining algorithm for the feature discovery of software fault	Jiadong Ren
80217	Value Measurement Model for Technology-based Knowledge Products	Changling Li
80159	Research on Topic Identification Technologies of Professional Search Engine Based on Hyperlink Analysis	Xiaoyue Wang
80051	The Analysis of Object's Action Based on Remote Education	Zhang Congpin
80538	A Study of Computer Anxiety among Chinese Students Majoring in Information Technology	Qian Han
80599	Research on SOA-based collaborative learning system	Xin Yu
80066	Study on Enterprise's Employees' Safety Training Based on SPSS	Fuliang Jiang
80344	A NEW CREDITABILITY INDEX OF FUZZY NUMBERS AND ITS PROPERTIES	Zhan-Jing Wang
80255	A Mathematics Model of Customer Churn Based on PCA Analysis	Xin Zhao
80606	Safety Prediction of Coalface Stray Current Based on BP ANN	Caoyuan Ma
80592	web-based virtual laboratory platform for computer network	Xiaojuan Li
70273	Web-Based Open Access for Wide Learning Platforms	Jie Jiang
71323	Parallel 3D Finite Difference Time Domain Simulations On Graphics Processors With CUDA	Liuge Du
80529	Learner Profile Design for Personalized E-learning Systems	Xu Wei
80383	Research on the Relations between the Public Expenditure on Education and Inequality in China	Xu Junwu
80087	Study on Comprehensive Experiment Framework and Teaching System of International Business--SIFT National Laboratory Model Project	Yiqun Li
80456	Cultivation of Metacognition in the Web-based Autonomous Learning Environment	Hongqi Gong
80587	The Use of WebQuest to Enhance English-Chinese Bilingual Education: A Case Study in a Course in Computer Science Overview	Shaojing Fan
71043	Analysis on Application of Computer Assisted Instruction in Modern Teaching	Weiguo Di
80539	Information Hiding Theoretic Research Based on Digital Watermark Technology	Lijuan Song
80564	Teaching Resource Grid System Model Based on Multi-agent Distributed Expert System	Xiao Laisheng
71278	An Improved Fault Petri Net for Knowledge Representation	Lianxiang Jiang
80239	Research and Implementation of Interaction on Discrete Mathematics Multimedia Courseware	Weihong Wang
71344	Teaching Digital Image Processing in an Application-oriented College	Kun Zou
80551	Telemetry acquisition and analysis system of pulse wave for teaching	Aihua Zhang
80067	SXML <sub>s</sub> , an Enhancement of XML Documents in Mobile Learning	Shi Shengbo
70955	Content Design for Situated Game-Based Learning: An Exploration of Chinese Language Poetry Learning	Hong-Ren Chen
80137	Research on Knowledge Management System in Enterprise	Hua Jiang
80610	Instant messaging tool based online question-and-answer system: An effort for a new group learning environment	Rui Gu
71216	The Role of Online Social Networks in Students' E-learning Experiences	Min Li
80577	A Study on the Relationship between Higher Education Equity and Income Distribution Based on Co-integration and Granger Causality Test	Suying Gao

Paper ID	Paper Title	Author
80399	Higher Education Equity And Income Distribution: Theory Survey	Hui Xing
80229	Study on the CSCW-based Web Teaching System	Xue Shengjun
80211	Experimental Platform Design for State-space Analysis and Synthesis of Linear Constant Coefficient System	Xueling Song
80552	Research on Neural Network Based on the improved adaptive Genetic Algorithm	Wu Xiao_Qin
80249	The Educational Mission of University from the View of Ecological Civilization	Jianhua Zhao
80397	The Application of Personalized Distribution System in Distributed Teaching Resource	Yunlong Jin
80396	A Personalized CAI Courseware System	Chuyi Wei
80482	A General Robot Simulation System for Education and Research	Xiaobing Huang
80374	A New Algorithm for k-cardinality Assignment Problem	Guozhong Bai
80597	The Using of Information Technology in the Chemical Fire Case Learning	Zhenxiong Wang
80248	The New Teaching and Learning Modes Based on Internet for Deaf Students	Hu Yongyou
80235	An Empirical Research on Teacher Job satisfaction of Universities in China	Wang Yunfeng
70241	Research about Relation between Extended Description Logics ALC+ and OWL	Wen Bin
80244	Application of MATLAB in Fuzzy Control Experiment Teaching	Song Zheyang
70261	The Fundamental Theorem of Entwined Modules	Hou Bo
71527	Building an Extensible Data Model for Interactive Electronic Technical Manuals	Lei Li
70589	Component-based Virtual Instrument in Network 3D Virtual Experiment	You Xiucheng
70275	Design and Implementation of the 3D Network Microcomputer interface Virtual Lab based on the Model Components	Kim Yongjin
80323	Development of Two-phase Flow Instrument	Li Shufen
80589	Design of Training System Based on HLA Supporting Skill Acquisition of Dangerous Chemicals Accident Rescue	Junhao Chen
80541	Path Planning of Mobile Robot based on Voronoi Diagram by Approximation Structuring and Zonal Ant Colony Algorithm	Wen Rui
80275	The Application of Maturity Model in the Schools' ICT Project	Liang Zhihua
80593	GSM Modem-based Mobile Auxiliary Learning System	Suqun Cao
70990	Experimental Study about Voice Recognition and Concept Map to Support the Students with Writing Disabilities	Hu Lailin
80311	Research of Strategic Route In Heterogeneous System Integration Based On ESB-SOA	Wang Hui
80579	The Performance Evaluation Model of Teaching-research Universities in China	Ling Ma
80474	The application of mixed software simulation platform based on Multisim and MATLAB for electric specialty experiment teaching	Dai Kejie
80490	A synthetical evaluation method of torpedo maintainability based on VR	Yu Haiquan
80524	Multimedia Application for Fluid Mechanics Teaching	Qinghai Luo
80287	Study on Construction of University Course Ontology: Content, Method and Process	Ling Zeng
80410	Research and Implementation of Learningflow System	Wei Guo
80543	Innovative Mathematical Pedagogical Model Based on Cognitive psychology	Chengming Qi
80547	System Engineering in C4ISR System Functional Requirements Analysis	Zhigang Zhi
80586	Using System Dynamics Approach for the Analysis of the Development of the Cultivation Mode of Professional Degrees	Liao Wenjie
80341	Design of College Physics Simulation Experiments Based on 3DSMAX and Virtual C++	Jun Chen
70702	Research of the knowledge reasoning based on extensional Description Logics ALC-plus	Gan Jian-Hou
80250	Organization Model of Hybrid Data in the Cloud Storage Node	Zhan Ying
80536	Performance Analysis of Carrier Acquisition for High Altitude Platform Networks	Guan Mingxiang
71076	The Interrelated Research of Information literacy and Scientific Research Ability of Universities Teacher	Zhen Ying
80313	A Learning Object Organization Model Based on Conceptual Domain	Zhu Xin-Hua
80566	Path-Restricted Parallel Q-Learning Algorithm in Collaborative Virtual Environment	Zhigang Wang
80559	Research on three-dimensional interactive storage laboratory system under virtual reality environment	Renwang Li
80424	Research on Document Management Architectures Based on Hybrid Authentication	Yu Xin
80405	A New Attempt on Poverty Research Based on the Computational Simulation Technology: the Main Method and It's Application	Jinguang Guo

Paper ID	Paper Title	Author
80394	Entrepreneurial Team's Risk Decision-making Process based on Group Learning	Xie Kefan
80147	Research on the Issue of Undergraduate Employment Based on Desperation Ecology	Ling Song
80376	The Effect of Information Processing Mode on Cooperation in Social Dilemmas	Chang-Jiang Liu
70106	PDFeH: A PDF Based Generic Teacher-Student e-Homework System	Xintai Chang
80259	Chinese college student internet use and its impact on their health and life	Ju Sun
80234	Computerized Adaptive Testing: the Researches and Perspectives in Chinese Mainland	Peng Wang
80173	Numerical Simulation of Air Distribution and Experimental Research of Testing Room for Air Conditioning Unit	Yumeichun Zhangdengchun
80039	Application and Optimization Research on Moodle Platform in Lead-type E-learning	Yang Jinjian
70804	Stability analysis for Cellular neural networks with time-varying delay	Hua Meng
70809	Synchronization in the unified chaotic systems with uncertain parameters	Xue-Li Wu
80571	Construction of Object-Oriented Comprehensive Practical Curriculum Based on TMPOT	Gang Lei
71063	The Role of Formulaic Sequence in Speech Fluency Development in ESL	Xiaoli Chen
80419	The Recent Development of Automated Programming Assessment	Yingli Liang
70232	A study on ICT Acceptance Model for a Virtual Team	Xiuzhen Feng
80528	On Collaborative-Learning-Based Translation Teaching in a Web Environment	Qingjun Li
80191	Animation Technology and Cultural Education	Ya-Li Ji
80271	Exploration and Practice of CDIO educational idea in Teaching Reform of Computer Foundation	Shen Yanguang
80607	Research of Blog culture and its impact on education	Xueming Bai
71379	Teaching Computer Networking Experiment in the Realistic Network Laboratory	Yanfang Liu
60594	Synchronization of Multiple Descriptions Coding for Streaming Media	Youwei Zhang
60738	A New Approach for Color Character Extraction based on Parallel Clustering	Qing Miao
60846	Collecting Diffraction Patterns with a Two-phase Double-rows Linear Array CCD Apparatus	F.M. Chen
60376	Convergent computation of switched state estimator	Geng Zhu
60723	The research on end-to-end delay calculation method for real-time network AFDX	Zeng Xingxing
60186	Rockburst Prediction Using Gaussian Process Machine Learning	Guoshao Su
60203	A Linear Mean-field Annealing Algorithm Solving Weapon Target Assignment Problem	Liu Chuanbo
60163	An Approach to Master-Slave Workflow System and Its Petri-net Modeling	Hanhua Lu
60685	ECDGA: An energy-efficient cluster-based data gathering algorithm for Mobile Wireless Sensor Networks	Li Peng
60592	Online Testing System for Thickness of Veneer Based on Beta Rays	Jiang Xiao
60204	Target Tracking and Positioning Algorithms Based on Binary-WSN and Its Simulation	Zhou Dechao
60650	An online automatic method for correction of piezoelectric scanner	Yingzi Li
60643	Dominant Color Tracking Based Color Correction for Multi-view Video Using Kalman Filter	Jiang Gangyi
60118	Application of virtual reality technologies to the simulation of Coal Miners' Safety	Jizu Li
60040	Study of NGN Multi-business Billing Method	Jun Chen
60582	High Performance Distributed Data Acquisition System for long-term Bridge Health Monitoring	Jun Liu
60310	Study on automatic interoperability testing for E-business	Qi-Ming Xia
60517	Classifier Based on Cloud Model and Its Application	Lijuan Shi
60617	Study on the Extraction of Remote Sensing Information of Land Use/Cover Change in ChengGong, YunNan Province	Yu Bingfei
60023	A Modified GVF Snake Algorithm of Mobile Target Detection	Zhou Hao
60632	Barcode Recognition and Voice Broadcast Based on Distributed System Semantic Search	Yaohe Liu
60340	Performance Analysis of Soft Handover Based on FFT in CDMA System	Zhiqiang Zhu
60454	The research and design on the workflow model and verification technology based on BPEL	Sui Xin
60862	Research on LDAP Data Access Based on SDO	Xudong Li
60161	Research for nonlinear turbulent combustion control in common rail diesel engine by new injection control strategies	Yongfeng Liu
60847	The Weather Radar Product Synthetic Programming by VC++ & MATLAB	Sijin Zhang

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60619	Sensitivity Analysis and Optimization for Connecting Rod of LJ276M Electronic Gasoline Engine	Xianjun Hou
60655	Flow Field Analysis and Improvement of Automobile Water Pump Based on FLUENT	Xianjun Hou
60294	A Hybrid Genetic Algorithm for Cable Forces Optimization of CFST Arch Bridge	Guo-Fu Sun
60866	Extraction of the Rice Leaf Disease Image Based on BP Neural Network	Libo Liu
60057	Algorithm on Analyzing RLC Electrical Network Independent All-capacitor Cut-sets	Guozhang Gao
60373	A method of type inference based on dataflow analysis for decompilation	Lina Zhou
60055	The Non-uniformity Correction for IRFPA	Jingzhong Wang
60861	Test Question Classification and Duplicate Checking Based on Course Knowledge Point	Yong Li
60398	Numerical Simulation in Combustion Space of an Oil Fired Oxy-fuel Glass Furnace with Different Burner Arrangements	Shuxia Mei
60728	A method for improving the definition of scene in fog image	Wei Yang
60076	An Application Of 3-D Numerical Simulation On Control Unit Of Gasturbine Engine	Huang Yu
60807	An Improved Ant Colony Optimization and Its Applications in Flow-shop Problems	Xuemei Song
60882	Improved Ant Colony Optimization with Particle Swarm Optimization Operator Solving Continuous Optimization Problems	Yang Xiao
60254	Study on Remote Monitor System Based on 3G Mobile System	Xiaomei Si
60522	A Network-based Logistics Tracking and Communication Information System	Zhijun Yang

## Poster Session 5: Database Technology & Applied Mathematics and Information

### Management

2<sup>nd</sup> floor, Banquet Hall, Shangri-La Hotel

16:40 - 17:20, Sunday, December 13

Paper ID	Paper Title	Author
60225	A Gravity-Base Objects' Weight Clustering Algorithm	Xiang Wei
70149	Atmospheric Corrosion Modelling with SVM Based Feature Selection	Zhenduo Fu
60806	Study and Realization of Supplier Business Intelligence System for Chain Supermarket	Hong Xue
60821	Extracting Relevance Information From User Click Through Data Using Conditional Random Field	Biancun Xie
71588	Customer Behavior Pattern Discovering based on Mixed Data Clustering	Mingzhi Cheng
60141	Application of Association Rules Data Mining in Effect Rules Discovery of Healthy Housing	Liang Wang
71434	A New Context Awareness Service Decision Method	Fenglin Shi
70108	The Formal Definition and Knowledge Description of Multiple Dimensions Business Data based on Common Information Platform	Yan Chen
71395	Operations in Fuzzy Object-Oriented Databases	Li Yan
70482	The Evaluation Model of Chinese Human All-Round Development Based on Gini Coefficient-TOPSIS and Empirical Study	Libin Zhou
71361	IKMC: An Improved K-medoids Clustering Method for Near-duplicated Records Detection	Ying Pei
71034	Ecosystem Evaluation Model Based on Interval Number G1 Weights and Its Empirical Study	Yanqiu Cheng
70408	Dynamic Behavior Model for Short-Circuit Current of Power System with Capacitor and A Reducing Fault Current Method	Huiyong Xu
71461	Intelligent Quality Management using Knowledge Discovery in Databases	Xiaoh Wang
60775	A Feature Weighted Ensemble Classifier on Stream Data	Wenhua Xu
70466	Application Research on Positive and Negative Association Rules Oriented Software Defects	Yanguang Shen
71185	A Feature Selection Method Using Weighted Clusterer Ensemble	Shuchu Xiong
60051	The Key Access Technology and Its Realization of GIS Data Based on RDBMS	Anbao Wang
70688	A Field Data Processing Approach Based on Grey Entropy	Liu Yi

Paper ID	Paper Title	Author
70520	Unsupervised and Semi-supervised Bounded Support Vector Machines with Polyhedral Perturbations	Kun Zhao
60153	A novel tracking and recognition algorithm using "Continuous Autoencoder" network	Yuandong Zhao
60339	An Improved (CHI) Statistics Method for Text Feature Selection	Tang Yan
60551	Blade Tenon Design Technique Research Based on Case Reasoning	Li Xiaopeng
70326	A Web Users Clustering Model Based on Users' Browsing Path	Ding Xiaoming
70098	Augmented BAN Classifier	Sun Xiao Wei
70711	Fencing Training Decision Support System Based on Bayesian Network	Zhengang Wei
70151	The Investigation of Image Mining Framework	Yu Changjin
71030	Query Processing for Fuzzy Temporal Queries Transformation	Liguo Deng
60068	The research and implementation of the deep search engine of popular science	Wu Chensheng
60779	Reverse Nearest Neighbors Query for Moving Objects in Road Network	Lin Xu
70657	An Efficient Matrix Algorithm for Mining Frequent Itemsets	Zhangyan Xu
60581	Study on Condition Monitoring of Power-Shift Steering Transmission Based on Support Vector Machine	Ying-Feng Zhang
60809	Research on Supermarket Customer Classification Based on Agent Ant Colony Algorithm	Hong Xue
70988	Parameter estimations in linear regression models with AR(2) errors in which the parameters have a special relationship	Wenke Xu
60067	A Web Search Contextual Crawler Using Ontology Relation Mining	Wu Chensheng
70534	Plan based Distributed Complex Event Processing for RFID Application	Yongheng Wang
70724	Credit Scoring Model Based on Simple Naive Bayesian Classifier and a Rough Set	Yi Jiang
60093	The QoS routing model of dynamic data exchange on WAN	Xin Feng
70609	Researches of Sentence Similarity Computation Method Based on the Enhanced Petri Net	Fujin Chen
60208	Research on Visualization Techniques in Data Mining	Hailiang Jin
60720	A Comparison Study of Missing Value Processing Methods in time series data mining	Yi Jiang
60772	A New Representation and Similarity Measure of Time Series on Data Mining	Yi Jiang
70048	The Denosing and Trend Extraction Based on the Fusion Method of Wavelet and Emd	Zhang Anbing
71243	A New Attribute Reduction Algorithm in Consistent Decision Formal Context	Qiang Wu
71369	Traffic State Identification Methods Based on Vague Sets	Xiaofeng Ji
70639	The URL Search Strategy Based on the Content and Link Analysis	Cailan Zhou
70224	Frequent Itemsets Discovery Algorithm and its application based on Frequent Matrix	Lilin Fan
70226	The Improvement and Application of The Fuzzy K-prototypes Algorithm	Lilin Fan
60192	Implementation of Data Warehouse at Domestic Large Aeronautic Hub for Flight Information	Hong Wang
70529	A Model for a Bank to Identify Cross-Selling Opportunities	Qiu Dehong
60167	Extracting Two-Noun Phrases from Customer Reviews	Hui Wang
70187	Assembling Learning Approach with Weighted-Voting Label Assignment	Jinghui Qin
60554	Application of Case-based Reasoning method on drilling parameter optimization	Peng Yuan
60668	A Mining Algorithm Based on Dividing and Ruling for Decision Rules	Xiaobing Pei
60758	Data Processing Model of M-Learning System	Jing Li
70530	Improved distributed concurrency control algorithm based on real-time database systems	Chenggang Zhen
70563	The Application of Markov Chain into the Forecast for Population Age Structure in Shanghai	Hongyan Li
71271	Research on Projection Market Diffusion in China by Bass Model	Aifeng Wang
71396	Mapping Fuzzy EER Model into Fuzzy Relational Database Model	Z. M. Ma
70517	Voluntary Disclosure Bringing about Information Lemon or Transparent?	Xinsheng Cheng
70283	Schema Matching Based on Labeled Graph	Guitao Cao
60360	A novel retrieval method for JPEG image	Heli Xu
70737	THE RESEARCH OF PREDICTION OF PESTS BASED ON FUZZY RBF NEURAL NETWORK	Yanling Wei
60532	Research on Comprehensive Assessment MethodBased on Rough Sets and Cloud Theory	Ping Xiong



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71432	An Improved Functional-link Neural Networks for Dynamic System Identification	Miaomiao Cai
70172	Application research on a discipline teaching service platform	Yongfeng Li
71318	An Improved XML Index Structural ConnectionAlgorithm Based on Orthogonal B+ tree	Huazhu Song
71492	Tree Modeling based on GA-Fitted Growth Function	Fei Yan
70981	Dynamics of the HBV Model with Diffusion and Time Delay	Qiao Meihong
70755	Research and Implementation of a Universal ETL Management Platform based on Telecom Industry	He Li
71012	Research of Web Transactions Clustering Analysis based on Ant-colony Algorithm	Kejun Zhang
70723	Diffusion Model Based Research of Clustering Algorithm	Junheng Huang
60386	A Collaborative Filtering Recommendation Based on User profile weight and Time weight	Chen Dongtao
70788	Analyzing Agricultural Economy Data with Computational Intelligence Method	Yong Liu
60349	The Noise Reduction Method of Web Pages Based On Image Features	Haitao Yao
60439	Quantitative Association Rules Based on Distance	Hai-Dong Meng
70535	Discovery of Anomalous event against frequent sequence of video events	Fahad Anwar
71262	Research on Data Mining of Logistics and Economic Development	Yu-Chen Song
60097	Attribution Reduction of Battlefield Electromagnetic Measurement Based on Fuzzy-rough Information Entropy	Jinhua Xu
71064	Method of Optimal Deployment for Radar Netting Based on Detection Probability	Yang Longpo
70356	An Optimal PID Controller for Linear Servo-System Using RBF Neural Networks	Kun Liu
71231	An Integrated Model of Vehicle and Crew Scheduling with Multi-Depots	Le Zhao
70859	The Effective Application of BP Neural Networks Prediction Model for Gas Content in Binchang Mining	Hongwei Tang
71143	Aggregated Reduction Model Based on Partial Block Observability Matrix	Zunhai Gao
71232	A Practical Mathematical Modeling Method Based on High Dimensional Space Geometry Theory	Wang Xianbao
71459	Consumption equilibrium asset pricing in China stock market	Guozhi Wang
70490	Olympics Performance Evaluation and Competition Strategy based on Data Envelopment Analysis	Feng Yang
70381	A Policy Rule Dissimilarity Evaluation Approach Based on Fuzzy Theory	Bei Wu
71228	Stability of Nabla Dynamic Equations on Time Scales and its Application in Cobweb Model	Ailian Liu
70909	ERP Improving User's Decision-Support benefits: Evidences from key users	Chen Songsheng
70450	Research on the Application of Priority Degree Evaluation Method in the Fuzzy Neural Network	Kun Han
70127	A Hybrid Optimization Method and Application in Traffic Signal Timings Optimization	Chen Xiao-Feng
70818	A Multi-Objective Portfolio Selection Formulationof Corporate Social Responsibility and Optimization Algorithms	Yue Qi
70997	The application of TSVD in MT inversion with improved MSE as determination of the regularization level	Ya Sun
71350	A New Outlier Detecting Model for Spatial-autocorrelation Data	Zhongyuan Li
71551	A Novel Homotopy Continuation Algorithm Used for Solving Power Flow Equations	Mingshan Cai
71392	Three Dimensional Dynamic Model of Real Estate and Macro Control	Dan Ma
70941	The Impact of Firm Size on Knowledge Sharing Intra-firm: A Game-theoretical Perspective	Jianzu Wu
71263	An Equivalence Relation on Extended Finite State Machines	Xiang-Yun Wang
71283	A Haar wavelet solution to Fredholm equations	Xiao-Yan Lin
70296	Belief Updating and Financial Decisions under Asymmetric Information	Ruxing Xu
70091	Information Resource Planning and It's Application in Indicator Management System	Zengjun Chun
70085	Truncated SVD methods for MT discrete linear ill-posed inverse problems	Ya Sun
70556	Optimal Pricing Strategy of Hotel for Cooperative Travel Agency	Liuyi Ling
70123	A EWMA for Monitoring Stationary Autocorrelated Process	Haiyu Wang
71074	Fractional Personnel Losing Modeling Approach and Application	Chunna Zhao
70533	Necessary Conditions for Bilevel Multiobjective Programming Problems	Yulan Liu
70054	Research on Dynamic Workflow Based on Delegation Authorization Mechanism	Shengjun Xue
70787	Modeling on the Five Elements Theory of Traditional Chinese Medicine Based on Predicate Logic Theory	Yun Wei

Paper ID	Paper Title	Author
71004	Area Air Traffic Flow Optimal Scheduling Under Uncertain Weather	Siliang Wang
71374	Data Integration of All-In-One Digital Real Estate-Management	Xuexiang Li
70396	Randomly Weighted Sums of Negatively Associated Random Variables with Heavy Tails	Jiangyan Peng
71360	A Measuring Method of Effect Intensity Based on Classified herbs regarding Intelligent Mining of Prescription Efficacies	Quanquan Gao
71499	Research on One Service Quality Model of China Personal E-banking	Ming Gao
70266	An Assorted Dynamic Job-Shop Scheduling Algorithm Based on Impact Degree	Song Cunli
70481	The Optimality Conditions and Numerical Simulation On The Three-Dimensional Layout Optimization Problem	Tie Jun
70501	The application research of underwater acoustic source numbers estimation by blind separation algorithm	Li Wanchen
71281	A Study on Conjugate Quadrature Filters	Jin-Song Leng
70395	High accuracy Nyström methods for solving mixed BIEs of scattering problems	Jiangyan Peng
70139	The problem of the design of the energy-efficient central air-conditioning system	Shoulin Tan
70274	Reliability Assessment of Urban Road Network System by GO Methodology	Zhiyun Zou
70965	Research on revenue sharing contract when demand and cost are disrupted	Li Guiyun
70963	Research on Open Vehicle Routing Problem with Time Windows Based on Improved Genetic Algorithm	Li Guiyun
71273	Analyze for ERP System Importing Model on Game Theory	Xukan Xu
70777	Traffic Flow Analysis Based on Regional Transportation Routes Controlled for Special Planned Events	Tiexin Cheng
70918	A Hybrid Optimization Method Based on Genetic Algorithm for Magnetotelluric Inverse Problem	Xiao-Zhong Tong
70919	Forward Modeling of Frequency Domain Controlled-Source Electromagnetic Using Finite Element Method	Xiao-Zhong Tong
70185	GA Based Congestion Aware Algorithm for Application in NoC	Jingling Yuan
71302	A Multiple Criteria Decision Making Model for CNO Attack Scheme Evaluation	Danyan Wen
70630	An Exploratory Canonical Correlation Analysis on Regional Input and Output of Science and Technology	Meng Xiaohua
71006	Research on the Collection Routes of Logistics Service Supplier	Wenfeng Zhang
71085	Toward Wimax Security	Yi Yang
71339	A New Key Exchange Scheme Based on Permutation Rational Function	Wei Pengcheng
71245	A Risk Control Optimization Model for Software Project	Ping Cao
70010	Modeling and Numerical Solution for Dam Breach of Tangjiashan Quake Lake	Yi Guo
71403	A Finite Mixture Three-parameter Weibull Model for the Analysis of Wind Speed Data	Xu Qin
70929	A combinatorial search method based on harmony search algorithm and particle swarm optimization in slope stability analysis	Liang Li
71098	Multifractal modeling and evaluation of inhomogeneity of metallogenic elements distribution in the Shangzhuang deposit, Shandong province, China	Li Wan
71132	Coal Mine Hidden Danger Information's Constraint Treating Flow	Li Xingdong
70749	Application of Amendatory Mathematical model of D-S evidence theory to data fusion	Chen Wei-Jun
70082	The Automatic Control of a Mineral Securing Energy - Saving System	Zhi-Gang Zhao
70147	DMC for two-motor synchronous system	Jinzhao Zhang
71528	Structural Vibration Intelligent Control Based on Magnetorheological Damper	Jianjun Liu
70264	An integrated supplier selection approach based on fuzzy analytic network process	Bohui Pang
70560	Passenger Turnover Structure Prediction Based on Markov-Multi Product Alternative Model	Xin-Sheng Song
70808	Speed control algorithm for Automatic Train Operation Systems	Bing Gao
70455	Research on Network Traffic Forecasting Strategy based on BP Neural Network	Yuanyuan Li
71359	The Application of BP Neural Net Model in Logistics Costs Decision-making	Junlong Jia
70191	Forecasting Models on Fuzzy Time Series Within Stock Market	San-Ping Li
71481	Study on the Ichnography Structures of Chinese Characters Based on Topological Theory	Lu Jianping
70514	Dynamic Modeling and Simulation of One Kind of Industry Robot by DBEM	Yingwu Fang
71274	Study on the Facility Layout in Workshop Based on Improved Adaptive Genetic Algorithm	Yi Zhang
71226	Estimation Model of River Pollutant Discharge Rate Based on One-Dimensional Water Quality Model	Han Zhonggeng

Paper ID	Paper Title	Author
71227	An Application of the Extensive Bayesian Analysis Method to the Decision-making of Disaster Prevention	Hou Shuai
70828	Petri Net Modeling for Production Logistics Process	Li Yongyao
71510	Analyzing Workflow Based on Restraints Using TLA	Ji Bian
71475	Analysis for Multi-channel Retailer Competitive Game	Kai Huang
70661	Study on Creep Model of Rice Gel	Qiuliang Zhang
70659	Effects of heating and storage conditions on growth properties of mould in rice	Qing Xiong
70146	Pricing Multi-dimensional options with importance sampling for moment reduction	Gao Quansheng
71488	An improved particle swarm optimization for knapsack problem	Fangguo He
70353	A real-time intelligent routing planning solved by genetic algorithm	Jie Li
70137	Dynamic modeling of Political Districting Problem	De Wang
70691	A Disaggregate Model of Traffic Mode Split Forecast for Public Events	Liang-Jie Xu
70730	Traffic Volume Condition for Left-Turn Forbidden on Urban Road Unsignalized T-intersection	Ai-Zeng Li
70727	Optimal Sensor Layout for Bridge Health Monitoring Based on Dual-structure Coding Genetic Algorithm	Huang Minshui
60482	A Novel Space Reduction Algorithm for Planning	Rui Bian
70142	On-line Testing Technique for Artillery Body	Baoxing Bai
60350	Analysis of Harmonic and Inter-Harmonic Based on Hilbert-Huang Transform	Jianming Yu
60224	Design on Control System of the Test for Gravity Center of Human Body	Zhiguang Guan
70169	THE PROCESS STUDY OF UNIT EQUIPMENTS DAMAGE ASSESSMENT	Wang Zhicheng
60402	Experiment about Image Emporium Buildings Intelligent Recognition using Spatial Semantic Model	Yunjun Zhan
71242	Result optimization returned by multiple Chinese search engines based on XML	Yubao Zhang
70219	The Perturbation and Observation's method based on the P-V rate of curve	Kang Yi
71397	A CMOS Elliptic Switched-current filter Using Bilinear Implementation	Ying Long
60223	SCA-based DSSS Waveform Application Development	Fei-Fei Chen
60421	Countermeasures Research on Credit Problem in C2C E-business	Qiumei Hu
60123	Research on RBF Neural Network for Discrete Fuzzy Control	Dinghui Zhang
70505	Bilinear Bäcklund Transformation for a Non-isospectral KdV Equation	Yuanyuan Zhang
60601	Employee Engagement Investigation in IT Industry	Jiandong Zhang
70994	Residue Amending Combined Prediction Model Based on RBF Neural Network	Kong Lifang
71525	Survivability Evaluation for Network Storage System Base on Gray relation analysis	Jilu Wang
71222	The Research of Computer Numerical Simulation of Water Quality of Daming Lake	Xiu-Ling Sun
71078	Supply Chain Bullwhip Effect De-Noising Using Wavelet Transform	Chengdong Shi
70220	Strong Convergence Theorems for Arbitrary Sequence Series of B-Valued Random Variables	Xiaosheng Wang
60099	Model of Logical Difference Operation of Grade Upper Approximation Operator and Variable Precision Lower Approximation Operator	Xianyong Zhang
60697	Preliminary Discussion on the Individualized Construction Based on Blend-learning and Constructivism	He Dakuo
70631	Properties of Univariate Wavelet Functions with a Matrix Factorization	Hongying Xiao
60844	Transform Mechanisms of Object-Z Based Formal Specification to JAVA	Zhigang Wang
60760	Study on Universal Bus Interface based on Sequence Configuration	Duoli Zhang

## Part V Instructions for Presentations

### Oral Presentation

Devices Provided by the Conference Organizing Committee:

- Laptops (with MS-Office & Adobe Reader)
- Projectors & Screen
- Laser Sticks

Materials Provided by the Presenters:

- PowerPoint or PDF files

Duration of each Presentation:

- Regular Oral Session: 15 Minutes of Presentation, 3 Minutes of Q&A
- Plenary Speech: 30 - 35 Minutes of Presentation, 5 Minutes of Q&A

### Poster Presentation

Materials Provided by the Conference Organizing Committee:

- X Racks & Base Fabric Canvases (60cm×160cm, see the figure below)
- Adhesive Tapes or Clamps

Materials Provided by the Presenters:

- Home-made Posters

Requirement for the Posters:

- Material: not limited, can be posted on the Canvases
- Size: smaller than 60cm×160cm
- Content: for demonstration of the presenter's paper

Requirement for the Presenters:

- Stand beside his (her) Poster through the Session, and discuss with the readers about his (her) paper



## Part VI Hotel Information

### About Shangri-La Hotel, Wuhan

With the city's most luxurious rooms and fine international dining, the Shangri-La Hotel, Wuhan offers premier accommodations and attentive service in the dynamic metropolis of central China. This Wuhan hotel also offers an ideal location right in the heart of the financial district, in addition to an impressive array of facilities and services.

**Address:** 700 Jian She Avenue, Hankou, Wuhan 430015, China  
武汉市汉口建设大道700号武汉香格里拉酒店



### How to get to the hotel

From the Hankou Railway Station:

Take a taxi to 700 Jian She Avenue, Hankou, Wuhan (Fee: about RMB 10, Time: 10 minutes)

From the Wuchang Railway Station:

Take a taxi to 700 Jian She Avenue, Hankou, Wuhan (Fee: about RMB 30, Time: 25minutes)

From Wuhan Tianhe Airport:

Take a taxi to 700 Jian She Avenue, Hankou, Wuhan (Fee: about RMB 80, Time: 30 minutes)

For non-Chinese author, please show the following picture to the driver if you are taking a taxi:

请送我到:

武汉市汉口建设大道700号武汉香格里拉酒店

Please take me to:

700 Jian She Avenue, Hankou, Wuhan 430015, China

## International Conference on Computational Intelligence and Software Engineering (CiSE)

### 计算智能与软件工程国际会议征文

December 10~12, 2010      Wuhan, China

[http:// www.ciseng.org/2010](http://www.ciseng.org/2010)

The 2nd International Conference on Computational Intelligence and Software Engineering (CiSE 2010) will be held on December 10~12, 2010 in Wuhan, China. This conference will cover issues in **computational intelligence, information security, multimedia and graphics technologies, and software engineering**. **The conference proceedings will be published by IEEE, and all papers accepted will be included in IEEE Xplore and indexed by EI Compendex and ISTP.**

#### TOPICS

- Artificial Intelligence
- Automated Reasoning
- Autonomous Systems
- Cloud Computing
- Cluster Computing
- Cognitive Science
- Communication Networks and Protocols
- Computational Biology
- Computational Chemistry
- Computational Neuroscience
- Computational Physics
- Computer Graphics
- Data Modeling
- Database Mining
- Database Technology
- Evolvable Hardware
- Expert Systems
- Fuzzy Systems
- Geographical Information System
- Grid Computing
- Hardware Implementation
- Human-Computer Interaction
- Hybrid Systems
- Image Processing
- Image Understanding
- Machine Learning
- Multi-Agent Systems
- Natural Neural Systems
- Neural Genetic Systems
- Neural-Fuzzy Systems
- Numerical Algorithms
- Operating Systems
- Pattern Recognition
- Programming Methodology
- Project Management
- Real Time Control
- Requirement Analysis
- Simulation and Modeling
- Software Engineering
- Software Maintenance
- Software Standards and Design
- Software Testing and Quality Control
- Symbolic Mathematics
- Technological Forecasting
- Visualization
- Web-Based Services

#### IMPORTANT DATES

- ◆ Paper submission due:      **Jun. 21, 2010**
- ◆ Acceptance notification:      **Aug. 10, 2010**
- ◆ Conference:                      **Dec. 10-12, 2010**

#### CONTACT INFORMATION

**Website:** <http://www.ciseng.org/2010>  
**E-mail:** [info@ciseng.org](mailto:info@ciseng.org)

## **Contact Us**

### **Organizing Committee**

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Secretary: Ms. Cici Peng