

Part I CiSE 2010 Conference Schedule

Registration Dec. 10~12, 2010

Registration Time	Date	Location
09:00--20:00	Dec. 10 th , 2010	Lobby, 1 st floor, East International Hotel
08:00--18:00	Dec. 11 th , 2010	Lobby, 1 st floor, East International Hotel
08:30--14:00	Dec. 12 th , 2010	Lobby, 1 st floor, East International Hotel

Saturday Morning, Dec. 11, 2010

Time	Activity	Location: Grand Ballroom, 3 rd floor, East International Hotel
08:40–09:00	Opening Ceremony	
09:00–09:45	Plenary Speech: Artificial Brains and Topological Quantum Computing Speaker: Prof. Hugo de Garis , Xiamen University, China	
09:45–10:30	Plenary Speech: TOTEM: An Object Deputy Database System for Complex Data Management Speaker: Prof. Zhiyong Peng , Wuhan University, China	
10:30–11:00	Coffee Break	
11:00–11:45	Plenary Speech: Analysis and Design of Multiple Winners-take-all Networks with Applications to Data Processing Speaker: Prof. Jun Wang , Chinese University of Hong Kong, HKSAR (China)	

Saturday Noon, Dec. 11, 2010

12:00 – 13:30	Lunch Buffet	Location: 2 nd floor, East International Hotel
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Saturday Afternoon, Dec. 11, 2010

Time	Activity (Coffee Break 15:20 – 15:40)	Location: 2 nd and 3 rd floor, East International Hotel
14:00 – 17:30	Oral Session 1: Computer Graphics and Applications	Room 388, 3 rd floor
	Oral Session 2: Artificial Intelligence (1)	Room 233, 2 nd floor
	Oral Session 3: Artificial Intelligence (2)	Room 255, 2 nd floor
	Oral Session 4: Networking, Security and Distributed Computing	Room 399, 3 rd floor

Saturday Evening, Dec. 11, 2010

18:30 – 20:30	Welcome Banquet	Location: 2 nd floor, East International Hotel
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Sunday Morning, Dec. 12

Time	Activity (Coffee Break 10:00 – 10:20)	Location: 2 nd and 3 rd floor, East International Hotel
08:30 – 12:00	Oral Session 5: Software Engineering (1)	Room 233, 2 nd floor
	Oral Session 6: Software Engineering (2)	Room 388, 3 rd floor
	Oral Session 7: Software Engineering (3)	Room 399, 3 rd floor
	Oral Session 8: Special Session on Applied Mathematics	Room 255, 2 nd floor

Sunday Noon, Dec. 12

12:00 – 13:30	Lunch Buffet	Location: 2 nd floor, East International Hotel
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Sunday Afternoon, Dec. 12

Time	Activity	Location:
14:00 – 14:50	Poster Session 1: Artificial Intelligence and Networking	1 st floor,
14:50 – 15:40	Poster Session 2: Computer Graphics, Applied Mathematics and Others	East
15:40 – 16:30	Poster Session 3: Software Engineering and Applications	International Hotel

Part II Plenary Speeches

Plenary Speech: Artificial Brains and Topological Quantum Computing (TQC)



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

Time: 09:00-09:45, Saturday Morning, Dec. 11

Location: Grand Ballroom, 3rd floor, East International Hotel

Abstract: Professor Hugo de Garis will introduce half a dozen topics that he believes will revolutionize both computer science and our global culture in the coming few decades.

Plenary Speech: TOTEM: An Object Deputy Database System for Complex Data Management



Speaker: Prof. **Zhiyong Peng**, Wuhan University, China

Time: 09:45-10:30, Saturday Morning, Dec. 11

Location: Grand Ballroom, 3rd floor, East International Hotel

Abstract: Due to lacking flexibility, object-oriented databases have not achieved great success on market like relational databases. Object deputy model proposed by us has both the flexibility of the relational data model and the complex information modeling capability of the object-oriented data model. Based on the object deputy model, we have implemented an advanced database management system called TOTEM, which has been successfully used to manage complex information and realize advanced database applications such as cross-media management.? In this talk, we will introduce the system and its applications.

Plenary Speech: Analysis and Design of Multiple Winners-take-all Networks with Applications to Data Processing



Speaker: Prof. **Jun Wang**, Chinese University of Hong Kong, HKSAR (China)

Time: 11:00-11:45, Saturday Morning, Dec. 11

Location: Grand Ballroom, 3rd floor, East International Hotel

Abstract: Winner-take-all is a general tool commonly used in machine learning and data mining. K winners-take-all is a generalization of winner-take-all with multiple winners. Over the last twenty years, many K -winners-take-all neural networks and circuits have been designed and analyzed with various complexity and performance. In this talk, I will start with several mathematical problem formulations of the K winners-take-all solutions, then present several K winners-take-all networks with reducing model complexity based on our neurodynamic optimization models. Finally, I will present one with the simplest model complexity and maximum computational efficiency. Analytical and Monte Carlo simulation results along will be shown to demonstrate the computing characteristics and performance. The applications to parallel sorting rank-order filtering, information retrieval will be discussed.

Part III Oral Sessions

Oral Session 1: Computer Graphics and Applications

Session Chair: Prof. Jing Li

14:00-17:30, Dec. 11, Saturday

Paper ID	Paper Title	Author	Affiliation
10235	Transform Dual Transition Timed Petri Net into Timed Automaton for Model Checking with UPPAAL	Yigui Luo	Tongji University, China
10300	Study of Multi-Mission Management Technology on the TT&C Network	Liu Jun	Xi'an Jiao Tong University, China
10719	Embedding Interactivity into a University Study Portal by Using Social Computing	Irina Todoran	Aalto University – School of Science and Technology, Finland
10733	A study of primary children learning communication skills by making cartoon film	Liangzhong Ying	University of Nottingham, United Kingdom
10950	Design and Implementation of Embedded Software for Space Colloidal Crystals Investigation	Hao Yang	Chinese Academy of Sciences, China
11018	Instructional Design Practices for Blended Learning	K.S. Cheung	Open University of Hong Kong, Hong Kong
11032	1-D Barcode Localization In Complex Background	Luping Fang	Zhejiang University of Technology, China
10886	Computing the Fractal Dimension – a Global Metrics for Large Software Systems	Michele Marchesi	University of Cagliari, Italy
10957	The Research on Distributed Parallel Optimal Design System of Foundation Pit Engineering	Dong Zhou	Guangxi University, China

Oral Session 2: Artificial Intelligence (I)

Session Chair: Prof. Jiahong Guo

14:00-17:30, Dec. 11, Saturday

Paper ID	Paper Title	Author	Affiliation
10404	A Study of Query Translation using Google Machine Translation System	Dan Wu	Wuhan University, China
10447	An Intelligent Approach of Obtaining Feasible Machining Processes and Their Selection Priorities for Features Based on Neural Network	Guangru Hua	North China Electric Power University, China
10462	On Engineering Challenges of Applying Relevance Feedback to Fingerprint Identification Systems	Mitchell Welch	University Of New England, Australia
10467	ANN Applications to Storm Surge Predictions in Apalachicola, Florida.	Sudong Xu	Southeast University, China
10522	A Language Based on Fuzzy SHIOQ(D)+Datalog for Fuzzy Knowledge Representation and Reasoning	Song Ding	Wuhan University, China

Paper ID	Paper Title	Author	Affiliation
10822	An Attempt to Represent Rational Revision on Stable Sets	Jiahong Guo	Beijing Normal University, China
10909	Multi-View Sentence Ranking for Query-Biased Summarization	Po Hu	Huazhong Normal University, China
10934	A Novel Heuristic Text Classification Algorithm Based on Support Vector Machines	Henian Chen	professor, China
10953	Artificial Neural Network Model Application on Long Term Water Level Predictions of South Florida Coastal Waters	Sudong Xu	Southeast University, China
11025	Overviewing the RDF(S) semantic web	Thomas Raimbault	ESILV - Leonard de Vinci University, France
11033	A Simulation Study of Deep Belief Network Combined with the Self-Organizing Mechanism of Adaptive Resonance Theory	Yan Wu	Wuhan University, China
10924	A new Attribute Dependency Function in Information System	Guangming Lang	Hunan University, China

Oral Session 3: Artificial Intelligence (II)

Session Chair: Prof. Fan Wu

14:00-17:30, Dec. 11, Saturday

Paper ID	Paper Title	Author	Affiliation
10209	The software of auto-tuning parameters of PID controller based on fuzzy genetic algorithm	Fei Jingzhou	Harbin Engineering University, China
10277	Research for Architectural Graphic Based on Formal Language to Analyze and Understand	Kuancheng Zou	Changchun University of Technology, China
10306	Sequential and Cooperative Distributed SA-Type Algorithms for Energy Optimization in Embedded Systems	Maha Idrissi Aouad	INRIA Nancy – Grand Est / LORIA, France
10342	Design and Implementation of a Path Finding Autonomous Robot System using Multiple Sensors	Fan Wu	Tuskegee University, United States
10559	Intelligent Task Mapping using Machine Learning	Dirk Tetzlaff	Berlin Institute of Technology (TU Berlin), Germany
10580	Short Text Feature Selection for Micro-blog Mining	Zitao Liu	Wuhan University, China
10610	On an Inverse Problem for Complex Network with Circuit Edges	Lei Wang	School of Automation, Tianjin University, Tianjin, China
10777	A Non Functional Properties Based Web Service Recommender System	Sunita Tiwari	Indian Institute of Technology, Delhi, India
10783	System Identification and Application Based on Parameters Self-Adaptive SMO	Yongjie Zhai	North China Electric Power University, China
10826	An Efficiently 3D Face Recognizing Method using Range Image and Sparse Representation	Chao Zhang	Northwestern Polytechnical University, China
10564	Optimization of the Use of Residential Lighting with Neural Network	Diego Giral	Distrital Francisco Jose de Caldas University, Colombia

Paper ID	Paper Title	Author	Affiliation
10866	Experimental Research on Impacts of Dimensionality on Clustering Algorithms	Hai-Dong Meng	Inner Mongolia University of Science and Technology, China

Oral Session 4: Networking, Security and Distributed Computing

Session Chair: Prof. Ming Su

14:00-17:30, Dec. 11, Saturday

Paper ID	Paper Title	Author	Affiliation
10042	Constructions of Self-dual Codes over Formal Power Series Rings	Liu Xiusheng	Huangshi Institute of Technology, China
10594	Traffic Network Models Correlated	Diego Giral	Distrital Francisco Jose de Caldas University, Colombia
10115	Research on Safe Behavior Adaptation of Software Component	Xiong Xie	Dalian Maritime University, Dalian 116026, China
10288	Research on QoS Architecture of Mobile Ad Hoc Networks	Liu Jun	Northeastern University, China
10398	Implementation and Configuration of μ BIC	Xinquan Zhang	Karlsruhe University of Applied Sciences, Germany
10518	High Performance Matrix Multiplication on General Purpose Graphics Processing Units	Fan Wu	Tuskegee University, United States
10533	A distributed spatial data sharing and management system for forest farms	Xinwen Yu	Chinese Academy of Forestry, China
10578	Investigation and Application of Parallel Method for Blast Wave Interaction and Detonation	Shusheng Deng	Nanjing Univ. of Sci. & Tech, China
10607	On the optimization of a duplicate document detection algorithm based on SIMD and document statistics	Xinpan Yuan	Central south university, China
10782	Signature-in-Signature Verification Via a Secure Simple Network Protocol	Ming Su	Nankai University, China
10812	Study of Security Mechanisms in Personal Internet Banking – Take China Merchants Bank as an Example	Guoling Lao	Shanghai University of Finance & Economics, China

Oral Session 5: Software Engineering (I)

Session Chair: Prof. Dani Almog

8:30-12:00, Dec. 12, Sunday

Paper ID	Paper Title	Author	Affiliation
10278	Developing the Basic Verification Action (BVA) Structure Towards Test Oracle Automation	Dani Almog	Ben Gurion University, Israel
10212	Reliability Evaluation and Allocation of Object-oriented System Based on Ant Colony Algorithm	Guo yong	Harbin Institute of Technology, China

Paper ID	Paper Title	Author	Affiliation
10307	Process Support for Requirements Engineering Activities in Global Software Development – A Literature Based Evaluation	Barkha Javed	Fatima Jinnah Women University, Rawalpindi, Pakistan
10439	Deployment Planning of Component-based Distributed Applications Using Mathematical Programming	Qifeng Zhang	Huazhong University of Science and Technology, China
10450	Comparative Study of the Algorithms for the Weighted Rectilinear Min-sum Facility Location Problem	Xiaodong Wang	Quanzhou Normal University, China
10503	A Novel Evaluation Method for Defect Prediction in Software Systems	Wei Wang	Tsinghua University, China
10512	Research on Data Structure-Oriented Performance of the Expert-Chosen Algorithm	Xinzheng Sui	College of Information Science, Nankai University, China
10601	An Empirical Study to Discover Patterns for Checking the Matching Pair Property	Kang Gui	Iowa State University, United States
10647	Project Scheduling Problem with Weighted Multi-Skill Resources	Fawaz Al-Anzi	Kuwait University, Kuwait
10726	Efficient Processing of Databases with Inconsistent Information	Janusz Getta	University of Wollongong, Australia
10929	Research of Software Configuration Components Classification and Optimal Query	Jing Feng	PLA University of Science and Technology, China
10937	An Approach for Modelling Software Product Line Architecture	Yuqing Lin	School of EE&CS, The University of Newcastle, Australia
11014	Distributed Web Services System Research Based on Modular Classification	Jin Zhang	Beijing Normal University, China
10956	Role Based Access Control for Web-based Teaching Systems	Chun Ruan	University of Western Sydney, Australia

Oral Session 6: Software Engineering (II)

Session Chair: Prof. Wenfeng Zheng

8:30-12:00, Dec. 12, Sunday

Paper ID	Paper Title	Author	Affiliation
10156	Automated Verification of Goal Net Models	Minh Ngoc Ngo	Nanyang Technological University, Singapore
10389	Requirement Engineering Practices – an Empirical Study	Amjed Tahir	University of Malaya, Malaysia
10456	Learning Agents for Storage Devices Management in the Smart Grid	Chengjian Wei	Nanjing University of Technology, China
10513	Multi Agent System to Reduce Malnutrition (MASRM) in Children	Xu Dezhi	Central South University, China
10588	Using fuzzy multiple criteria decision making In evaluation of software quality	Ahmad Javan Bakht	Azad University of Azad Shahr, Iran, Islamic Republic of
10614	Recognition of Hidden Factors In Requirements Prioritization Using Factor Analysis	Seyed Ali Marjaie	Symbiosis International University (SIU), India

Paper ID	Paper Title	Author	Affiliation
10704	Identifier Naming Conventions and Software Coding Standards: A Case Study in One School of Software	Yanqing Wang	Harbin Institute of Technology, China
10810	A Negotiation Model and its Simulation based on Q-learning Algorithm	Guoling Lao	Shanghai University of Finance & Economics, China
10898	The Third Party Logistics Geospatial Information Services Based on SOA	Wenfeng Zheng	University of Electronic Science & Technology of China
10931	Application of the Inventory of Biodiversity Information and Social Networking Based Collaboration: An Implementation of Software Framework at Web Application Level	Hsin-Hui Wu	Saint Louis University, United States
10217	Using SI-NS Diagram to Normalize the Program Code	Chuangen Si	Zhejiang University of Science & Technology, China

Oral Session 7: Software Engineering (III)

Session Chair: Dr. Hao Jiang

8:30-12:00, Dec. 12, Sunday

Paper ID	Paper Title	Author	Affiliation
10048	A Pairwise Distances Based Visualization System for Information Retrieval	Guiyang Su	Lab of Information Analysis Technologies, China
10261	Web-based Learning Platforms integrating Social Networking for Design Education at High Schools in China	Hao Jiang	The Hong Kong Polytechnic University, Hong Kong
10299	A Multi-View Architectural Model and Its Description and Construction	Chang-ai Sun	University of Science and Technology Beijing, China
10465	Research on the Architecture of Multi-agent System of Ningxia Public Commercial Information Service Platform	Jun Zhao	School of Economics Management of Ningxia University, China
10501	Implementation of Common Genetic and Bacteriological Algorithms in Optimizing Testing Data in Mutation Testing	Mohsen Fallah Rad	Azad University of Lahidjan, Iran, Islamic Republic of
10543	Research on Legacy System Reuse in Ningxia Public Business Information Services Platform	Jun Zhao	School of Economics and Management of Ningxia University, China
10778	A Hybrid Software Architecture Evaluation Method for FDD – An Agile Process Model	Faria Kanwal	Lahore College for Women University, Lahore, Pakistan
10790	A Recommendation Method of BPEL Activity Based On Association Rules Mining	Na Deng	Beijing University of Posts and Telecommunications, China
10872	Uncovering the Main Research Themes of Software Validation	Tsung Teng Chen	Grad. Inst. Of Inf. Manage., Nat. Taipei Univ., Taipei, Taiwan
10984	A Queue Theory based Response Time Model for Web Services Chain	Haifeng Li	Central South University, China

Oral Session 8: Special Session on Applied Mathematics

Session Chair: Prof. Wenjiang Jiang

8:30-12:00, Dec. 12, Sunday

Paper ID	Paper Title	Author	Affiliation
10119	Employing Forced Distribution to Determine Permeability Limits Between Ranking Levels of Petroleum Reservoir Layers	Chuanfeng Zhao	China University of Petroleum, Beijing, China
10192	Experimental Study on Anchoring Mechanism of Pre-stressed Anchor Cable by FLAC3D Numerical Simulation	De-sheng Zhang	Anhui University of Science & Technology, China
10239	Numerical Simulations on Mechanism of Compressed-air Jet Cutting the Soft Formation	Yongguang Zhang	Jilin University, China
10262	A Reducing Transmission-Line Fault Current Method	Huiyong Xu	China University of Geosciences Beijing, China
10379	Reconstruction of the exponential Radon transform with 180° data	Jingwen Wan	Ningbo University, China
10401	N-pi-line-based Image Reconstruction of BPF Algorithms Within Standard Spiral Cone Beam CT	Dacheng Li	Ningbo University, China
10429	A tale of two tails: Using options to forecast the movement of stocks	Robert Elliott	Haskayne School of Business, University of Calgary, Canada
10474	Multi-parent Crossover Algorithm with Discrete Recombination	Dazhi Jiang	Shantou University, China
10555	The Necessity of Meta Bias in Search Algorithms	John Woodward	Nottingham University, United Kingdom
10748	Fast 3D Modeling Chinese Ancient Architectures Base on Points Cloud	Cai Lailiang	China University of Mining and Technology, China
10915	An Improved Data Clustering Algorithm for Mining Web Documents	O.H Odukoya	Obafemi Awolowo University Ile-Ife, Nigeria
11010	The G1-TOPSIS Combination Evaluation Model and Empirical Study on Performance of Equipment Manufacturing Corporations	Yunjiang Geng	Dongbei University of Finance and Economics, China

Part IV Poster Sessions

I. Artificial Intelligence and Networking

14:00 – 16:30, Dec. 12, Sunday

Paper ID	Paper Title	Author
10003	An Indoor Positioning Algorithm based on Path Tracking Assistance	Yongxiang Zhao
10075	Study on Impact Factor of Sci-Tech Journal in China using Genetic Programming	Yongxiang Zhao
10095	Sensitivity-Proof Content Advertising Based on Two-Stage Text Classification	Ge Peng
10153	Research on the network data stream conversion based on different specifications of Flow	Dong Shi
10163	Research of Fire detection Method Based on Multi-sensor Data Fusion	Xiaojuan Chen
10172	The Application of Text Mining Technology in Monitoring the Network Education Public Sentiment	Xiaomei Liu
10204	Study and Design of Deposit Box Based on Fingerprint Recognition	Wenzhou Liu
10242	Forecasting Deformation Time Series of Surrounding Rock for Tunnel Using Gaussian Process	Guoshao Su
10243	Hysteretic Optimization for Protein folding on the lattice	Juan Zha
10295	Information Hiding Algorithm Based on Transformation and Image Partition	Gouxi Chen
10308	Mechanism Analysis of Smart Film for Crack Monitoring of Concrete Bridges	Yong Xu
10310	The Metro Construction Drawings Recognition For Risk Identification	Ding Lie-yun
10325	Soft Sensing of Polypropylene Melt Index Based on Improved RBF Network	Ling Yang
10329	Global Exponential Stability of MAM Neural Network with Time-varying Delays	Ming Wang
10331	Cloud Computing Research and Security Issues	Jianfeng Yang
10356	A Signature System based on Trust Computing	Yaping Chi
10361	Multi-Tenancy Based Access Control in Cloud	Xiaoyong li
10366	Design and Efficient FPGA Implementation of Ghash Core for AES-GCM	Tianshan Chen
10397	Security Model Research and Design of Embedded Trusted Terminal	Sheng-wei Xu
10400	Research and Application of Neural Network Based on Improved BP Algorithm	Chen Zhijun
10407	Load Balancing For NGN Core Network Based On P2P Technology	Kai Shuang
10420	Mechanism of body area communication based on quasi-electrostatic field	Zhonghua Huang
10421	An Improved Mesh Topology and Its Routing Algorithm for NoC	Quansheng Yang
10425	Residue Amending Combined BP Prediction Model	Wang Zhe
10426	The Vibration Parameter Fault Diagnosis Cloud Model for Automobile Engine Based on ANFIS	Lifang Kong
10454	Elman Neural Network Model of Traffic Flow Predicting in Mountain Expressway Tunnel	Xin-Sheng Song
10493	Reduced support vector machine based on Margin vectors	Bo Kong
10504	A New Effective Heuristic for Solving Minimal Steiner Tree Problem on Graphs	Yan Hu
10509	Management of Machining Parameters based on Process Planning Knowledge	Gao Xiaobing
10541	The Formal Analyse of DoS Attack to SIP based on the SIP Extended Finite State Machines	Chen Zhe
10553	Noise Performance Analysis of Chaotic Coherent CSK Communication System	Chunyan Han
10556	Automatic Extraction of Course Ontology from Chinese Textbook	Xuefeng Wei
10566	Synchronization of chaotic systems controller design by neural networks	Zhe Zhao
10567	Parallel Algorithm Study of Overlapping Clouds of Points Method	Xinjian Ma
10569	The Formal Description of the Protocol and the Design and Implementation of Automatically Generating Protocol Test Suite	Chunmei Hai

Paper ID	Paper Title	Author
10577	A Low Latency Resource Location Algorithm for Unstructured P2P Networks	Yongqiong Zhu
10581	Watermarking Massive Remote Sensor Images in Parallel	Feipeng Huang
10591	Workload-based Query Routing Tree Algorithm in Wireless Sensor Networks	Yingchi Mao
10598	Ramp Rate Constrained Unit Commitment by Improved Priority List and Enhanced Particle Swarm Optimization	Weixun Ge
10602	The fuzzy measure and application of a kind of circular fuzzy number	Han Jian
10605	Insurance-based Cloud Computing—Architecture, Risk Analysis and Experiment	Changli Zhang
10608	An experimental study on number of support vectors in N-bit parity problem	Xun Liang
10635	Application of Simulated Annealing BP Neural Network in Financial Crisis Early Warning	Pan Shuang
10644	Prediction of Software Reliability Using Feed Forward Neural Networks	Yogesh Singh
10651	Using Non-symmetry and Anti-packing Representation Model For Object detection	Guangwei Wang
10659	Sensor Placement for Grid Coverage with Probability Mode	Wenzheng zhang
10660	Distribution-estimation gene expression programming	Yanyun Tao
10664	Research on Non—contact Infrared Temperature Measurement	Ning Bin
10673	Research on method of case base data mining learning based on rough set	Jingwei Li
10693	Point pattern matching for MRTD biometric ID systems using fingerprint	ChengHua Li
10697	The Design of RET Control System Based on AISG2.0	Wensheng Li
10740	Research on Fuzzy Reasoning of Instruction Strategy in an Adaptive Learning Support System	Li Xin
10754	Trust Model Based on TPM for Network Mobility	Songhua Huang
10765	A New SVR Incremental Algorithm Based on Boundary Vector	Hongmin Xu
10780	Study of the Battlefield Damage Repair Sequence Based on Bayesian Networks	Fei Liu
10781	A Digital Fingerprinting Scheme of Digital Image	Dinghui Zhang
10787	Method of Road Traffic Accidents Causes Analysis Based on Data Mining	Rui Tian
10794	Association Rules Applied to Credit Evaluation	Lijuan Shi
10799	Search Using Semantic Inference in Unstructured P2P Networks	Ning Qian
10800	A Hybrid Evolution Algorithm for VLSI Floorplanning	Jiarui Chen
10801	Dynamic Data Fusion Mechanism in Wireless Sensor Networks	Nan Li
10816	Error analysis of l1-regularized support vector machine for β -mixing sequence	Juan Huang
10817	Modeling and Performance Analysis of FC-AE-ASM which Base on PETRI Net Theory	Bin Liu
10825	An Simulation of MapReduce as a Higher-Order Web Service in Cloud	Desheng Li
10841	A Parallel Computing Component for Linux Cluster with Threads Binding Supports	Hang Zhou
10847	Naïve Bayes Software Defect Prediction Model	Tao Wang
10850	Design of Target Recognition System Based on Machine Vision	Xiaomin Li
10854	The Influence of the Parameters on the Rhythm in Excitatory-Inhibitory Neural Network	Yan Liu
10856	Multi-Modal Music Mood Classification Using Co-Training	Yongkai Zhao
10857	Fuzzy Comprehensive Evaluation of Corrosion-resistant Properties of PTFE Compounded Fibers	Lei Yang
10867	Particle Swarm Optimization Combined with Molecular Force and Its Application for Parameter Estimation	Xing Xu
10874	Feature Extraction based on Sparsity Embedding with Manifold Information for Face Recognition	Shi-Qiang Gao
10885	Improved Particle Swarm Optimization Algorithm	Ye Gao

Paper ID	Paper Title	Author
10889	The Impact of Explanation Facilities on Decision Support Systems includes Multiple Knowledge Domains	Chen Zhi
10890	A Byzantine Fault Tolerant Protocol for composite web services	Wei Zhou
10891	An Improved Initialization Center Algorithm for K-means Clustering	Baolin Yi
10893	Improved PSO Algorithm Trained BP Neural Network: Application to Groundwater Table Prediction	Chen Nanxiang
10895	RBF Neural Network Using Improved Differential Evolution for Groundwater Table Prediction	Zhou Juan
10917	Load-Balancing High-Performance Router Testbed Based on OpenFlow and Click	Zhen-kai Wang
10922	Study of Making Model and Simulating for DC Motor Windings based on ACA	Jinfeng Liu
10942	Wireless sensor networks based highway disaster hierarchy cooperation monitoring system	Hongwei Peng
10952	Serial Number Extracting and Recognizing Applied in Paper Currency Sorting System Based on RBF network	Li Liu
10964	Prediction for Process Capability Index Based on Bayesian Framework LS-SVM	Shaoxiong Wu
10972	Research on Supply Chain Management System Modeling Based on Multi-agent	Dongxia Zheng
10974	An Novel Optimal PID Tuning and On-line Tuning Based on Artificial Bee Colony Algorithm	Fei Gao
10975	Online Synchronization of Uncertain Chaotic Systems by Artificial Bee Colony Algorithm in a Non-Lyapunov Way	Fei Gao
10980	Moving Target Classification in Video Sequences Based on Features Combination and SVM	Yinghui Kong
10987	Study on Transient Temperature Field Parallel Computing in Cooling Control based on a GPU Fourier Method	Liang Wang
11020	Microwave Imaging Based on the AWE and HPSO Incorporated with the Information Obtained from Born Approximation	Guo-rong Huang
11026	Design and Analysis of a USB-Key based Strong Password Authentication Scheme	Jiang Yu
11037	An EAP_TTLS_SPEKEY Method for Single EAP_Based Auth Mode of IEEE 802.16e PKMv2	Yang Fan
11038	Re-Authentication Design for PKMv2 of IEEE 802.16e Standard	Yang Fan
11041	A study of acquisition and transmission of office file data on the mobile internet	Fang Yang
10430	Data Mining in Building Behavioral Scoring Models	Horn-g-I Hsieh

II. Computer Graphics, Applied Mathematics and Others

14:00 – 16:30, Dec. 12, Sunday

Paper ID	Paper Title	Author
10047	Optimization Design of Offshore Platform Pipe-making Workshop	Hu Yanhua
10053	Empirical Research Based on the VaR Model in Risk Measurement of Stock Fund	Wen Xianming
10072	Estimation of Structural Reliability for Exponential Strength and Multivariate Exponential Distribution Stress	Xiaoqin Zhang
10077	Workpiece Recognition Based on BP Neural Network	Shi-xiang Tian
10091	Existence of positive periodic solution for predator-prey difference system with r+1 functional response and time delays	wang lie

Paper ID	Paper Title	Author
10123	Determining an unknown source in the heat equation by a mollification regularization method	Ailin Qian
10125	A Multi-Precision Partial KD Tree Index Based On Database	Jian-si Yang
10128	A Mathematica Package for Solving Pseudo-Division Algorithm of Multivariate Polynomial Matrix and Its Application	Guolin Hou
10138	Exact peaked wave solutions for several types of dispersion equations	Ning Zhu
10146	The extended tanh function method for the kink patterns solutions of the Kundu equation	Xinqian Lin
10148	A Reconfigurable Multi-mode Architecture for Reed-Solomon Codec	Siwei Tan
10158	P-Quasi Martingale Transforms	Fuju Zhai
10159	A General Iterative Method Based on the Hybrid Steepest Descent Scheme for Nonexpansive Mappings in Hilbert Spaces	Ming Tian
10161	Interval Algorithm for a Class of Continuous Minimax Problems	Wang Juan
10175	Positive Solutions of Impulsive Singular Integro-differential Equations in Banach Spaces	Jianxin Cao
10205	Research on Partnership Evaluation and Selection in Supply Chain Management	Song Hu
10206	Auxiliary model based hierarchical parameter estimation algorithm for SIMO systems	Yuwu Liao
10219	Using Extended Letter-to-Sound Rules to Detect Pronunciation Errors Made by Chinese Learners of English	Yang Wang
10232	Existence of Nonoscillatory Solutions of First Order Neutral Delay Dynamic Equation on Time Scales	Guanghui Liu
10246	Feature based sequence image stitching method	Yihua Lan
10258	Structural Damage Identification via Modal Data Based on Genetic Algorithm	Jie Li
10259	An Analysis of Disciplinary Variation in the Structure of Research Article Introductions	Ping Han
10283	Analysis of the construction of virtual leaning community based on the autonomous learning model	Jinrong Zhou
10287	A New Distribution for Extreme Value Analysis	Gemai Chen
10296	Research on Desktop Virtual Reality in Genetic of Bacteria and Viruses	Liping Wang
10312	The Edge Detection Operators and Their Application in License Plate Recognition	Lejiang Guo
10323	Column-Oriented DWMS Metadata Management Strategy	Si_Hui Han
10336	High-Speed Error-Correction for Leading Zero/One Anticipator	Ling-hao Li
10346	Edge Detection Based on Least Mean Square Filter and Mathematical Morphology	Yuanmei Wang
10377	Benefit Analysis of Talents Training in the Universities directly under Chinese Ministry of Education	Ren Qingyun
10381	Research on Dynamic Evaluation Model of Environmental Capacity in Reservoir Resettlement Area	Chengyun Wang
10384	Existence of Positive Solutions for System of Delay Difference Equations	Lanchu Liu
10385	Triangle Tiles Reconstruction from Complex Contours Based on Drill Data	Xiancheng Mao
10386	Modeling and Stability Analysis of A Wave Network with Parallel Edges and Loops	Yaxuan Zhang
10388	Jordan derivable mappings at zero point	Hongxia Li
10402	The Crossing Number of Cartesian Products of stars with 5-vertex Graphs	He Xiaonian
10408	An Improved Iterative Algorithm for Elliptic Equation	Yang Liu
10427	A New Virtual-address-mapping Mechanism for Low-energy I-cache	Quansheng Yang
10436	Application of enhanced rough set approach to the evaluation of urban water resources utilization: A case study of Beijing	Lvxiang Deng

Paper ID	Paper Title	Author
10442	Finding Ground States of Sherrington-Kirkpatrick Spin Glass by Modified Extremal Optimization	Guo-Qiang Zeng
10443	A Model Based on Java Regarding the Application of Visual Identity Elements in Apparel Design	Li Li
10446	A new algorithm to detect community structures on Weighted network	Hua Han
10453	Fast Clear Single Underwater Image	Yan Wang
10455	Improved Intra-Prediction Mode Selection Algorithm for H.264	Yaxiong Fu
10460	The one-sided M-Bayesian credible limits of reliability parameters and its applications	Ming Han
10463	A Study on AIS Quality Appraisal System Based on Grey Fuzzy Assessment Method	Jun Zhao
10470	The application of image edge detection in matching region selection of underwater terrain-aided navigation	Shen Jian
10502	Modeling for the optimal arrangement of providing phone service to a "Pseudo US"	Shanghang Zhang
10524	Research of real-time algorithm for chestnut's size based on computer vision	Zhiqiang Zhang
10531	A Contour-Based Method on Image retrieval	Zhang Mingqing
10536	Using Matrix-coded Genetic Algorithm for Solving the Flexible Job-Shop Scheduling	Guohui Zhang
10544	The Finite Element Collocation Method for 2-D Nonlinear Pseudo-Hyperbolic Equation	Qiang Wang
10547	Modeling and Simulation of Milkfish Farming and Coral Growth in Bolinao	Shizhe Shen
10554	Conditions Preserving Polynomial Reproduction for A Class of Quasi-interpolation	Ronghua Chen
10558	Mathematical Model of Fluid Exchange between Reservoirs and Hydraulic Fractures and Its Application	Rui Shen
10565	A Multi-level Scene Matching Algorithm Based on Adaptive Polar Transform	Baoquan Lei
10571	BaryLayout: A Simple Algorithm for Fast Drawing Large Graphs	Yonghe Zhang
10575	Multi-objective optimization of double-folded Yagi antenna using genetic algorithms	Bin Yuan
10619	Uncertain Formal Concept Based on 3-valued Lukasiewicz Logic	Min JIANG
10623	Study and Application of Service Robot Positioning Technology based on Visual System	Huahu Xu
10672	Study for the Analysis and Improvement of Experiment Teaching Mode	Ying Lin
10681	Strong convergence of modified Mann iterations by Yamada's hybrid method for strict pseudo-contractions in Hilbert spaces	Ming Tian
10685	An Algorithm of Adaptive Sub-band Coding for SAR Image Based on Wavelet Transform	Jida Sun
10700	AML: a novel page replacement algorithm for Solid State Disks	Zhu Hao
10715	Particle Swarm Optimization for Vertical Magnetic Dipole Transient Electromagnetic Method 1 Dimension Inversion	Jianhui Li
10725	Assessing Business and IT Alignment in Educational Organizations	A.J.Gilbert Silvius
10770	Interactive Real-time Visualization for Large-scale Spatial Datasets based on OptIputer	Ruipeng Tong
10813	Study on Family Relations Reasoning Based on Automated Reasoning	Ge Qiang
10849	Fast Fractal Coding Based on Dividing of Image	Yancong Yang
10862	Research on Three-dimensional Simulation of Tree's Morphology Based on Tree-crown Growth model	Min Liu
10865	Research on Stand Visualization based on Individual Gap Model	Peng Fei
10868	Research on Tree Growth Models and Visual Simulation Technology	Lu Kangning
10884	From XML Schema to Relations:A Incremental Approach to XML Storage	Yufeng Xu
10894	A Global Efficiency Optimization Model of Service Evaluation and Selection	Weining Qian

Paper ID	Paper Title	Author
10901	Embedded Multi-Physiological Parameter Collecting and Displaying System Based on Windows CE	Le Sun
10903	Simplified Directional Mode Selection for H.264/AVC Intra Mode Decision	Kun Ouyang
10916	Cunninghamia Lanceolata Three-Dimensional Modeling Technology Based on IFS Fractal Algorithms	Kang Chen
10918	Fusion Model and Method for High Resolution Optical Imagery Considering Spectral Characteristic	Zhongwu Wang
10921	Camera Calibration Based on Polynomial Fitting	Guoquan Jiang
10925	The Optimization of Navigation Performance for High-Speed Ship based on an Improved Parallel Genetic Algorithm	junjie zhao
10926	Assignment and Patrol Strategy for Police Cars based on Computational Intelligence	Gong Yunlu
10932	The Key Technologies of Component-based Surface Warfare Scene Simulation System	Linhai Yao
10944	Open GL-based conceptual models and algorithms for visualization of three-dimensional fracture networks and flow paths	Huamei Liu
10958	Constrained Least Squares Fitting of Ellipse	Liu YuanPeng
10962	Application of Genetic Algorithms in Remote Sensing Image Processing	Dongjian Xue
10990	Research on Chinese character height model of guide signs based on 3D technology and information processing characteristics of Chinese drivers	Huang Kai
11009	Patrol Cars Deployment Analysis based on Modified Greedy Algorithm	Jin Zhang
11012	A New Perry Conjugate Gradient Method With the Generalized Conjugacy Condition	Dongyi Liu
11023	A simplified image recognition algorithm based on simple scenarios	Hongtao Huang
11028	Algorithm for Weighted Hasse Diagram and its Application	Mao Shuhua
11029	Attribute Relative Sensitivity Analysis Based on Grey Relational Degree	Mao Shuhua
11034	Research on constructing Telecom Services Domain Ontology	Xiaofeng Li

III. Software Engineering and Applications

14:00 – 16:30, Dec. 12, Sunday

Paper ID	Paper Title	Author
10022	The Study of Test Evaluation Method Based on Bank Assessment System	Jianbin Song
10027	Research on the Developmental Management Model of Software Type IT Project	Hui Feng
10061	Research on Control Technology of Trajectory Tracking for Robotic Welding	Wang Kekuan
10070	Fault Diagnosis Way Based on RELAX Algorithms in frequency domain for the Squirrel Cage Induction Motors	Wei Yu
10089	Research on the Governance Effect Board Size: An New Explanation from Performance Variability	Shengnan Li
10106	An Analysis of Comprehensive Benefits of Information Sharing In Construction Supply Chain	Mao Yihua
10114	Research on Autonomous Driving Control Method of Intelligent Vehicle Based on Vision Navigation	Ming Huang
10116	Research and Implementation of Automatic Business Health-checking Framework	Juanjuan Wang
10133	The Application Of The Most Similar Path Set Based On The Specified Invalid Path In Software Fault Location	Junmin Ye

Paper ID	Paper Title	Author
10149	Verification of Conceptual Architecture Based on Component	Chao Ji
10194	Research into application of interactive whiteboard to interactive educational mode	Lingju Zeng
10196	Study on the Evaluation Model of Student Satisfaction Based on Factor Analysis	Xie Jiafeng
10213	Extension and Implementation of SMP2 under Service-Oriented Architecture	Wang Chao
10226	Research on Hierarchical File System for Embedded Linux	Huang Xiaobo
10229	Application Multisim to Virtual Laboratory for Experiment Teaching	Bian Heying
10234	An Online Virtual Practical Platform for Adult Education	Jun Chen
10249	E-learning and E-portfolio for in-service secondary technology teacher education on the Chinese mainland and in Hong Kong	Wei-wei Feng
10254	Pulse Interval Method for Engine's Torsional Vibration Measurement Based on LabVIEW	Rong Zeng
10263	Lexical Hedges in English Abstract Writing	He Yang
10270	Intelligent Processing Research for Target Fusion Recognition System Based on Multi-agents	Wu Xia
10272	The Acceptance of Education Information System An Empirical Study Based on UAA model	Yan Li
10281	Memory Database Index Optimization	Guo Wenming
10286	A Data-driven Software Testing Tools Integration System	Wenming Guo
10311	Study on Collaboration Mechanisms of Information Resources Allocation Strategy in National Innovation System	Zeng Jianxun
10321	Determinants of trust in e-government	Tao Wang
10327	The Research on Necessity and Plan for Using Extreme Programming in Rational Unified Process	Xiaobo Wu
10328	RB+-tree and its implementation in column-stored data warehouse	Li Sun
10392	Investigating Subsumption Relationship on Path Coverage Criteria for Software Architecture Testing	Lijun Lun
10394	Relationship between Testing Criteria for Architecture Configuration Testing Based on Wright Specification	Lijun Lun
10396	Real Time Inverse Control of Rolling Mill Hydraulic APC System Using PSO-IIR Filters	Xia Yu
10411	A Requirement Container Model Coupling with Goal and Feature	Yong Zhou
10412	A New Approach for Web Service Composition Based on Semantic	Guo Song
10414	An improved car-following model car with leading acceleration considered	Lijuan Liu
10424	The Effect of Directors' and Officers' Liability Insurance on Performance: Evidence from China	Jianbo Niu
10434	An Algorithm for Reducing Test Suite Based on Interface Parameters	Liang Zhao
10444	Flow Field Analysis and Improvement of Automobile Exhaust System Cold End	Xianjun Hou
10458	Capacity of Urban Road Unsignalized T-intersection	Ai-Zeng Li
10471	Single machine scheduling problems with job-position-based and sum-of-processing-times-based learning effect	Wang Hongwu
10475	Research and Design of Program Abstract Table Based on UML Class Diagram	Hui Gu
10481	Design and Implementation of Distributed Crop Output Potential Model System Based on GIS	Hao Zhang
10510	The Environmental Fates and Risk Assessment of N-nitrosodimethylamine	Qi-li Liao

Paper ID	Paper Title	Author
10516	Optimize Transition Stages of the Integrated SPC/EPC Process Using Neural Network and Improved Ant Colony Algorithm	Ying Shi
10526	A Software Regression Testing Strategy based on Bayesian Network	Zhaotan Fang
10535	Research and Application on the Q-NM Computing Mode	Zhongli Jiang
10538	Flow Field Simulation and Experimental Evaluation of Carbon Canister Based on FLUENT	Xianjun Hou
10540	Research on A Web Services Discovery Model Framework	Yuan-sheng Lou
10546	KYZB paradox of Δ numerical analysis in gas turbine	Xiaomei Liu
10552	A Novel Automatic Switched Chaotic Model for Generating Complex Chaos	Fengquan Man
10560	Importance Sampling Based Safety-Critical Software Statistical Testing Acceleration	Jiong Yan
10563	A Contingency Model For Large Ceremony Based On Petri Net	XiangDong Kang
10570	CFD-based Simulation Analysis of Indoor and Outdoor Ventilation Environment	Li xiaofeng
10572	A Benchmarking Framework for Domain Specific Software	Genxing Yang
10582	A Enhanced Trust Model based on Social Network and online behavior analysis for recommendation	Xue Yu
10596	Study on the Application of Agent in Information Grid	Jin-Qiang Ma
10624	Simulation on Harmonic Spectrum of Inverter Output Voltage Based on MATLAB	Shihong Wu
10641	Petri Net Algebras for DES Model Transformation	Jun Li
10653	B/S model Management-control intergration system based on OPC technology	Li Weilin
10667	Inquiry into the Content Designing Strategy of Educational Game	Xu Zhe
10678	Remote Laboratory Allowing Full-Range Student-Designed Control Algorithm	Dongyun Wang
10699	Research and Realization of WEB Security auto-Testing Tool Based on AHP	Rihong Wang
10707	Research on Boundary Treatment of Simulation on the Free Surface by SPH Method	Sun Kai
10708	Research on the generating technology of the discrete element method of 3D tyre modeling	Wei Qun
10722	Analysis of Knowledge Service-Oriented Integration of Digital Information Resources	Xiaobo Tang
10724	Teaching Thinking Directly-Construction and Practice of Thinking Skills Training Course	Shu Zhao
10749	Study on a Closed-Loop Fire Correction Algorithm in Vehicle Close-In Weapon System	Ziyu Wang
10755	Multi-standard Compatible Metadata Framework for Geo-Spatial Data	Yufeng Xu
10757	Model-Driven Development in Real-time Embedded Control Systems: a Case Study	Hui Yue
10758	Evaluate Two Software Configuration Management Tools: MS Perforce and Subversion	Hui Yue
10767	Review on Construction of Digital Archives in China	Xiao Qiuhui
10797	An Optimized Method of Network Data Transmission based on TGE	Chen Dawei
10798	Modeling and Analysis of Fault Detection Based on Time Petri Net	Yongbing Wan
10804	A cross-platform supported technique for embedded software generation	Huifeng Wu
10806	Regional E-Commerce Model Based on Integration of Logistics	Laiyuan Xiao
10820	Research on Scale and Technology Innovation Capability of Listed Automobile Enterprise	Xia Li
10827	Virtual Prototyping Technology for Marine Power System	Tianshui Li
10837	Database Modeling of Enterprise Management Information System based on UML	Jing Yang
10844	A overview and contrast of current learning design tools	Miao-miao Zeng
10876	Improvement of the Plants Interaction Model and Simulation on Stand Growth Processes	Shibo Liang
10896	Bidirectional Search Algorithm Based-on Index for Shortest Path Problem	Baolin Yi
10923	Fieldbus Device United Integration Architecture	Zhang Yu

Paper ID	Paper Title	Author
10927	Open CNC System Design Based on Multi-Agent Technology	Zhao Peng
10938	Research on the Contents and Methods of IT Project Auditing：a Lifecycle Approach	Ming Li
10947	The Design and Implementation of Plantation structure adaptive simulation	Jiang Xian
10951	Research on the Consultation Framework and Content for IT Project Management	Ming Li
10954	Evolution of Information System Based on Generalized Entropy Principle	Zhi Qiao
10971	True Time based Simulation for wireless sensor network	Chang Chen
10977	Statistical Testing Based Software Reliability Estimation While Considering Other Knowledge about a Program	Jiong Yan
11000	Research on Software Implementation Method of Matching Propulsion Engine to Propeller	Hu Yi
11001	An Input-Aware Method of Trace-Based Fault Diagnosis	Lei Mi
11030	Transactional Batch Processing Model of File Set	Deming Ni

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 - 40 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 their Posters throughout the Session, and discuss with the readers about their papers



Part VI Hotel Information

About Hotel

East International Hotel makes its debut as a Five Star class hotel which covers 100,000 square meters and is built as the first garden like hotel in Wuhan. There are landscape with colorful views of lakes and hills circling around the whole hotel. Besides, its professional management group will provide you the best quality of service for your accommodation.

Address: No.19 South Eastlake Road, Wuchang, Wuhan, Hubei, P.R.China

中国湖北省武汉市武昌区东湖南路19号

URL: <http://www.east-hotel.com.cn>

Tel: +86-027- 5971 8888

Fax: +86-027- 5971 8888

Traffic Infomation

Tian He Airport: 45km, 90 minutes ride

Wuchang Railway Station: 8km, 20minutes ride

Wuhan Railway Station: 20km, 40minutes ride

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

请送我到：易斯特国际酒店
武昌区东湖南路19号

Contact Us

Organizing Committee

E-mail: info@ciseng.org

Mr. Tony Shi

Tel: +86 132 4717 6473