

Table of contents

Table of contents.....	1
Part I NSWCTC2011 Conference Schedule.....	1
Part II Keynote Speeches.....	3
Keynote speech: An Information Hiding Scheme Using Sudoku.....	3
Keynote Speech: Modeling and Optimization of Nonlinear Model Predictive Control Systems Based on Recurrent and Feedforward Neural Networks.....	5
Keynote Speech: Integrated Safety Mechanisms for the Distributed Computer Systems.....	7
Keynote Speech: SYNERGY BETWEEN BIOLOGY AND MATHEMATICS: PAST, PRESENT, AND FUTURE.....	8
Part III Oral Sessions.....	10
Oral Session.....	10
Part IV Poster Sessions.....	11
Poster Session.....	11
Part V Instructions for Presentations.....	17
Part VI Hotel Information.....	18
Part VII Contact Us.....	19

Part I NSWCTC2011 Conference Schedule

Friday, 22 April, 2011

9:00-19:00	Registration	International Academic Exchange Center of HUST
------------	---------------------	--

Saturday Morning, 23 April, 2011

Time	Activity	Location
9:00-9:15	Opening Ceremony	
9:15-9:50	Keynote Speech: An Information Hiding Scheme Using Sudoku Speaker: Prof. IEEE and IET Fellows, Chin-Chen Chang,(Feng Chia University,Taiwan)	
9:50-10:25	Keynote Speech: Modeling and Optimization of Nonlinear Model Predictive Control Systems Based on Recurrent and Feedforward Neural Networks Speaker: Prof. IEEE Fellow, Jun Wang (The Chinese University of Hong Kong, Hong Kong)	Conference Room of the Building No. 8 (8号楼 学术报告厅)
10:25-10:40	Coffee Break	
10:40-11:15	Keynote Speech: Integrated Safety Mechanisms for the Distributed Computer Systems Speaker: Prof. Vadym Mukhin (National Technical University of Ukraine “KPI”, Ukraine)	
11:15-11:50	Keynote Speech: SYNERGY BETWEEN BIOLOGY AND MATHEMATICS: PAST, PRESENT, AND FUTURE Speaker: Prof. Matthew He (Nova Southeastern University, USA)	

Saturday Noon, 23 April

12:00-13:30	Launch Buffet	Lvyuan, Huazhong University of Science and Technology
-------------	----------------------	---

Saturday Afternoon, 23 April

Time	Activity (Coffee Break 15:50-16:10)	Location
14:30-17:30	Oral session	Room 311 of the Bulding No. 1

Saturday Evening, 23 April

18:00-20:00	Welcome Banquet	Lvyuan, Huazhong University of Science and Technology
-------------	------------------------	---

Sunday, 24 April

Time	Activity	Location
8:30-17:00	One-day Tour in Wuhan	Wuhan

Part II Keynote Speeches

Keynote speech: An Information Hiding Scheme Using Sudoku

Speaker: Prof. IEEE and IET Fellows, Chin-Chen Chang (Feng Chia University, Taiwan)

Time: 9:15-9:50, April 23, 2011

Location: Conference Room of the Building No. 8



Abstract-Steganography is the science of secret message delivery using cover media. A digital image is a flexible medium used to carry a secret message because the slight modification of a cover image is hard to distinguish by human eyes. In this talk, I will introduce two methods: Zhang and Wang's method and Sudoku solutions. A selected Sudoku solution is used to guide cover pixels' modification in order to imply secret data. Because the number of possible Sudoku solutions is very large, the proposed method is more secure than Mielikainen's method and Zhang and Wang's method. From the experimental results, the visual quality of stego images produced by the Sudoku method is higher than 44 dB in average, which is slightly less than that of related works; however, the embedding capacity of the proposed method is 1.5 bit per pixel, which is greater than that of the related works.

Biography

Professor C. C. Chang was born in Taichung, Taiwan. He obtained his Ph.D. degree in computer engineering from National Chiao Tung University. His first degree is Bachelor of Science in Applied Mathematics and master degree is Master of Science in Computer and Decision Sciences. Both were awarded in National Tsing Hua University. Dr. Chang served in National Chung Cheng University from 1989 to 2005. His current title is Chair Professor in Department of Information Engineering and Computer Science, Feng Chia University, from Feb. 2005. Prior to joining Feng Chia University, Professor Chang was an associate professor in Chiao Tung University, professor in National Chung Hsing University, chair professor in National Chung Cheng University. He had also been Visiting Researcher and Visiting Scientist to Tokyo University and Kyoto University, Japan. During his service in Chung Cheng, Professor Chang served as Chairman of the Institute of Computer Science and Information Engineering, Dean of College of Engineering, Provost and then Acting President of Chung Cheng University and Director of Advisory Office in Ministry of Education, Taiwan.

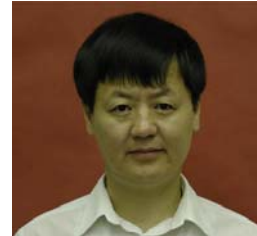
Professor Chang's specialties include, but not limited to, data engineering, database systems, and computer cryptography and information security. A researcher of acclaimed and distinguished services and contributions to his country and advancing human knowledge in the field of information science, Professor Chang has won many research awards and honorary positions by and in prestigious organizations both nationally and internationally. He is currently a Fellow of IEEE and a Fellow of IEE, UK. And since his early years of career development, he consecutively won Outstanding Youth Award of the R. O. C., Outstanding Talent in Information Sciences of the R. O. C., AceR Dragon Award of the Ten Most Outstanding Talents, Outstanding Scholar Award of the R. O. C., Outstanding Engineering Professor Award of the R. O. C., Chung-Shan Academic Publication Awards, Distinguished Research Awards of National Science Council of the R. O. C., Outstanding Scholarly Contribution Award of the International Institute for Advanced Studies in Systems Research and Cybernetics, Top Fifteen Scholars in Systems and Software Engineering of the Journal of Systems and Software, and so on. On numerous occasions, he was invited to serve as Visiting Professor, Chair Professor, Honorary Professor, Honorary Director, Honorary Chairman, Distinguished Alumnus, Distinguished Researcher, Research Fellow by universities and research institutes. He also published over 1000 papers in Information Sciences. In the meantime, he participates actively in international academic organizations and performs advisory work to government agencies and academic organizations.

Keynote Speech: Modeling and Optimization of Nonlinear Model Predictive Control Systems Based on Recurrent and Feedforward Neural Networks

Speaker: Prof. IEEE Fellow, Jun Wang (The Chinese University of Hong Kong, Hong Kong)

Time: 9:50-10:25, April 23, 2011

Location: Conference Room of the Bulding No. 8



Abstract—In this talk, a model predictive control (MPC) scheme will be presented for unknown nonlinear dynamical systems based on recurrent neural networks (RNNs). Two RNNs (i.e., the echo state network and the simplified dual network) are adopted for system identification and dynamic optimization, respectively. Based on an echo state network, the original nonconvex optimization problem associated with nonlinear MPC is reformulated as a convex one by means of decomposition via Taylor expansion. An online supervised learning algorithm is developed for estimating the unknown residual term resulted from the decomposition. To save time, offline supervised learning is also carried out based on feedforward neural networks for the parameter estimation. The proposed neural network approach has many desirable properties such as global convergence and low complexity. Simulation results are provided to demonstrate the effectiveness and performance of the proposed approach.

Biography

Jun Wang is a Professor and the Director of the Computational Intelligence Laboratory in the Department of Mechanical and Automation Engineering at the Chinese University of Hong Kong. Prior to this position, he held various academic positions at Dalian University of Technology, Case Western Reserve University, and University of North Dakota. He also held various short-term visiting positions at USAF Armstrong Laboratory (1995), RIKEN Brain Science Institute (2001), Universite Catholique de Louvain (2001), Chinese Academy of Sciences (2002), and Huazhong University of Science and Technology (2006–2007). He has held a Changjiang Chair Professorship in computer science and engineering at Shanghai Jiao Tong University since 2008 on a part-time basis. He received a B.S. degree in electrical engineering and an M.S. degree in systems engineering from Dalian University of Technology, Dalian, China. He received his Ph.D. degree in systems engineering from Case Western Reserve University, Cleveland, Ohio, USA. His current research interests include neural networks and their applications. He published over 140 journal papers, 12 book chapters, 8 edited books, and numerous conference papers in these areas.

He has been an Associate Editor of the *IEEE Transactions on Systems, Man, and Cybernetics – Part B* since 2003 and a member of the Editorial Advisory Board of the *International Journal of Neural System* since 2006. He also served as an Associate Editor of the *IEEE Transactions on Neural Networks* (1999-2009) and *IEEE Transactions on Systems, Man, and Cybernetics – Part C* (2002–2005), as a guest editor of special issues of *European Journal of Operational Research* (1996), *International Journal of Neural Systems* (2007), and *Neurocomputing* (2008). He was an organizer of several international conferences such as the General Chair of the 13th International Conference on Neural Information Processing (2006) and the 2008 IEEE World Congress on Computational Intelligence. He served as the President of the Asia Pacific Neural Network Assembly in 2006. He is an IEEE Fellow, an IEEE Distinguished Lecturer, and a recipient of the Research Excellence Award from the Chinese University of Hong Kong for 2008-2009, Shanghai Natural Science Award (first class) in 2009, and the Outstanding paper Award of the *IEEE Transactions on Neural Networks* in 2011.

Keynote Speech: Integrated Safety Mechanisms for the Distributed Computer Systems

Speaker: Prof. Vadym Mukhin (National Technical University of Ukraine “KPI”, Ukraine)

Time: 10:40-11:15, April 23, 2011

Location: Conference Room of the Bulding No. 8



Abstract—The paper describes the security problems and challenges faced in a environment of distrubuted computing. There are shown the specifics of security mechanisms for distributed computer systems based on the modern security technologies and standards. The structure of the mechanism for the security risk minimization in the distributed computer systems is suggested. There are suggested the estimation of the level of security threats, the integrated estimation of damage due to the attacks on the vulnerability and the estimation for risk of the security threats realition. Also, there is suggested an approach to the risk analysis based on estimation of the risk factors of the security threats. Also, the special security risk matrix for risk minimization is suggested.

The main principles for design and the basic elements of security policy in distrubuted computer systems are described. A model of security policy for distributed computer systems is suggested. This model allows formulate and substantiate the main principles of security policy for administrating of the distributed computer systems.

Biography

Candidate of science, docent Muhin Vadim. The field of scientific researches – designing of information security systems, user and message authentication in computer systems, theory of risk for security monitor tasks, methods and approaches of security adaptive control in computer systems, designing of Security Policy for computer systems and networks. Is the author of 110 papers (3 of them are monographies, 1 guide certified by Ministry of Science, 2 pats). Trained 2 candidates of science, 12 MPhils. Took part in 40 scientific conferences in 8 countries around the world. Got ‘Soros pastgraduate’ prize in 1996.

Keynote Speech: SYNERGY BETWEEN BIOLOGY AND MATHEMATICS: PAST, PRESENT, AND FUTURE

Speaker: Prof., Matthew He (Nova Southeastern University, USA)

Time: 11:15-11:50, April 23, 2011

Location: Conference Room of the Bulding No. 8



Abstract—Although biology and mathematics have long been intertwined over the last half millennium, an explosive synergy between biology and mathematics seem poised to enrich and extend both fields and biomedical engineering greatly in the coming decades. The avalanche of biological data generated by contemporary high-throughput computational biology has changed the traditional landscape of biology. As a science, biology depends increasingly on data, algorithms, and models in virtually every respect. It is becoming more quantitative, more computational, and more mathematical. All three methods-quantitative, computational, mathematical-are spreading across the entire landscape of biological science, from molecular to cellular, organismic, and ecological. Two disciplines that have extraordinary potential to meet these biological challenges are mathematics, computer science, and bioinformatics.

Biography

Matthew He, Ph.D., is Full Professor and Director of the Division of Math, Science, and Technology of Nova Southeastern University, Florida, USA. He is Full Professor and Grand Ph.D. from the World Information Distributed University since 2004. He has been awarded as an Academician of European Academy of Informatization since 2004. He received the World Academy of Sciences Achievement Awards in recognition of his research contributions in the field of computing in 2003 and 2010.

Matthew He received his Ph. D. in Mathematics from University of South Florida in 1991. He was a research associate at the Department of Mathematics and Theoretical Physics, Cambridge University, Cambridge, England in 1986 and at the Department of Mathematics, Eidgenossische Technische Hochschule, Zurich, Switzerland in 1987. He was also a visiting professor at National Key Research Lab of Computational Mathematics of Chinese Science of Academy and University of Rome, Italy in 1998.

Dr. Matthew He has authored/edited 8 books/proceedings and published over 120 research papers in the areas of mathematics, bioinformatics, computer vision, information theory, mathematics and engineering techniques in medical and biological sciences. He is an editor of International Journal of Software Science and Computational Intelligence, International Journal of Cognitive Informatics and Natural Intelligence, International Journal of Biological Systems, and International Journal of Integrative Biology. He is an invited series editor of Biomedical and Life Sciences of Henry Stewart Talk “Using Bioinformatics in Exploration in Genetic Diversity”. He is a Chairman of International Society of Symmetry in Bioinformatics and a member of International

Advisory Board of "International Symmetry Association (ISA). He is a member of American Mathematical Society (AMS), Association of Computing Machinery (ACM), IEEE Computer Society, World Association of Science Engineering (WASE), and International Advisory Board member of Bioinformatics Group of International Federation for Information Processing (IFIP). He was an international scientific committee co-chair of International Conference of Bioinformatics and its Applications (ICBA 2004), a general co-chair of International Conference of Bioinformatics Research and Applications (ISBRA 2009), and a keynote speaker of many international conferences in the areas of mathematics, bioinformatics, and information science and engineering.

Part III Oral Sessions

Oral Session

Room 311 of the Bulding No. 1

14:30-17:30, Saturday, 23 April, 2011

Paper ID	Title	Author
831	Two Noise Addition Methods For Privacy-Preserving Data Mining	Likun Liu
1009	Relay Sharing and Soft Frequency Reuse based Frequency Planning in OFDMA Cellular Networks	Yanxiong Pan
905	A New Secure Strategy for Small-Scale IEEE 802.11 Wireless Local Area Network	Huiting Liu
1056	Format-Compliant Encryption of JPEG2000 Codestreams	Zhiguo Chang
1086	The Application of RFID in the Cold-chain Quality Management	Chi Ying
1092	HACCP and the Risk Assessment of Cold-chain	Chen Zhimin
76	Research on Rate Adaptation Used Simulated Annealing Algorithm	Chang Li
148	Reduced complexity FSD algorithm for MIMO detection	Xinyu Mao
1013	Topology Management in a Hybrid Wireless Superstore Network	Shankaraiah
901	Policy-Based QoS Management in a Hybrid Wireless Superstore Environment	Shankaraiah
402	Next Generation Campus Network Deployment Project Based on Softswitch	Hu Feng
1090	A Source-Based Multicast Scheme in IEEE 802.16 Mesh Mode	Mortaza Maleki
45	Study of FCLSD Algorithm Performance based on LTE System	Liu Kewen
1052	New Downlink Scheduling Framework for Hybrid Unicast and Multicast Traffic in WiMAX Networks	Rashid Karimi
137	A Weighed Least Square TDOA Location Algorithm for TDMA Multi-target	Wang Xu
665	Efficient Proxy Re-encryption with Private Searching in the Untrusted Cloud	Xi Chen

Part IV Poster Sessions

Poster Session

Chair: Prof. Wenbin Hu

Room 311 of the Bulding No. 1

14:30-17:30, Saturday, 23 April, 2011

Paper ID	Title	Author
500	Power Allocation for Balancing Spectrum Efficiency and Power Consumption in Cognitive Relay Networks	Lun Tang
523	Energy Constrained Opportunistic Routing Based on Partial Network Coding	Shi Yuzhuo
542	A Density Control Algorithm For Wireless Sensor Network	Danyan Luo
587	An Improved Low Complexity Detection Algorithm for Qusi-orthogonal STBC	Zhong-er Nie
610	Efficient Homomorphic Hashing Approach for Secure Reprogramming in Wireless Sensor Networks	Yu Zhang
657	Defense on Split-Network Attack in Wireless Sensor Network	Du Chunlai
661	An Unconditionally Secure Authentication Code For Multi-Source Network Coding	Hong Yang
706	A Multi-step Attack Recognition and Prediction Method via Mining Attacks Conversion Frequencies	Man Da-peng
740	Study of Reversible Information Hiding Scheme Based on CL multi-wavelet transform and DCT	Ren Shuai
744	PWBA: A Novel Multicast Scheduling Algorithm for Wideband Multimedia Satellite Communications	Wang Zhenyong
772	A Real-Time Directed Routing Protocol based on Projection of Convex Holes on Underwater Acoustic Networks	Hu Hongning
777	A New Hybrid Multi-precision Multiplication For Public-key Cryptosystem	Zhe Liu
793	Time-Frequency Analysis of Frequency Hopping Signals Based on Particle Swarm Optimization	Guo Jiantao
850	An Improved Re-sampling Interpolation Algorithm for Base-Band Signal Shaping Filtering	Qi Wei
897	Adaptive HEC-VPS: The Real-time Reliable Wireless Multimedia Multicast Scheme	Guoping Tan
918	A Robust Autofocusing Approach for Estimating Directions-of-Arrival of Wideband Signals	Gong Bing
966	Construction of Periodic Complementary Multiphase Sequences Based on Perfect sequences	Zhenyu Zhang
94	Direction of Arrival Estimation for Coherent Signals in GPS Receiver	Yue Cui
262	Polynomial Algorithm for Node Deployment in Hybrid Wireless Sensor Networks	Lili Zhang
816	A Simplified Power Allocation Method for Cooperative Communication based on Internet of Things	Yi Li
979	Empirical Network Performance Evaluation of Security Protocols on Operating Systems	Shaneel Narayan
980	TCP/IP Jumbo Frames Network Performance Evaluation on a Test-bed Infrastructure	Shaneel Narayan
597	Parameter estimation of the direct sequence spread spectrum signal Based on time-smoothing clyclic periodogram	Zheng Peng
606	Fault-Tolerant Routing Recovery of Heterogeneous WSNs Using a Multi-Particle-Swarm Immune Cooperative Algorithm	Yi-fan Hu
592	Analysis of Trusted Identity Based Encryption (IBE-Trust) Protocol for Wireless Sensor Networks	Ym_yusoff
736	The Selective Forwarding Attack in Sensor Networks: Detections and Countermeasures	Wazir Zada Khan
614	Identifying Sentiment in Web Multi-topic Documents	Na Fan
631	A Method of Target Detection in Remote Sensing Image Captured based for Sensor Network	Yingchun Shen
632	Extraction Of Polyphase Modulation Parameters Using Cyclic Spectral Analysis	Zhang Xin
635	A Review of the Implant Channel Modelling for WBAN	Yihuai Yang

Paper ID	Title	Author
685	Adaptive Cross-layer Resource Allocation by HNN in OFDM-MISO System	Mingyan Jiang
687	Research on Diffusion Strategy about Resource Index of MP2P	Fangfang Guo
711	Negotiation-based Channel Selection in Cognitive Radio Ad Hoc Networks	Min Neng
728	A Hybrid Constructive Heuristic Algorithm for Flow Shop Scheduling	Wang Fang
781	An Analysis Algorithm Based On Webpage Script Text For Website Security	Jing Tao
832	Minimizing Communication Cost of Probabilistic Skyline Maintaining over WSN	Mingjiang Li
837	A Data Flow Behavior Constraints Model for Branch Decision-making Variables	Lu Yan
854	Frequency Offset Estimation in Cell Search for TD-SCDMA UE	Peng Ren-ming
889	Securing Peer-to-Peer Distributions with Trusted Platform Modules	Hao Li
893	An Improved IKEv2 Protocol with Client Puzzle against Denial of Service Attack	Zhu Xiaowei
968	Doppler Simulation and Analysis of SCME Channel Model	Xiaoyan Huang
972	A New Collusion Attack Using Interpolation for Multimedia Fingerprinting	Ye Conghuan
976	A Key Distribution Scheme for Sensor Networks using Multiple Key Pools	Jianmin Zhang
999	FPTC: A Framework for Penetration Test in the Cloud	Jianbin Hu
1016	Enabling Anonymous Undeniable Accounting in Cloud Storage	Mei Liu
1108	Certificateless signature scheme without random oracles	Dongzhao Hong
112	Detecting Polymorphic Buffer Overflow Exploits with A Static Analysis Approach	Guo Fan
113	Design and Simulation Implementation of An Improved PPM Approach	Guo Fan
133	Demand-Driven Dynamic Spectrum Allocation in Heterogeneous Cellular Networks	Li Wang
153	Research of NCS Real-time Performance with Judging Priority Based on Generalized Stability	Hengrong Lu
103	Research on Artificial Immunity-based Monitoring Technology of Network Attack Behavior	Yan Zhang
182	Fast Matching Algorithm Based on Fingerprint Classification Information	Na Li
1117	Study on Coal Mine Safety Monitoring System with Emergency Voice Communications Based on Wireless Sensor Network	Chen Junhua
817	The Research and Application of Webpage Temperproofing System	Wu Beihua
823	The economic evaluation of lighting energy-saving modification program	Yang Yuan
875	The Study of Access Control for Service-Oriented Computing in Internet of Things	Guoping Zhang
917	Remote Wireless Monitoring System for Heading Face of Coal Mine Based on WMN	Xiaolong Feng
919	A Novel Method of Web Services Selection Based on Weighted Grey Relational Model in Ubiquitous Computing Environments	Xiacong Xiao
974	The Diffie-Hellman Exponentiation Extension of Instantiation Space Logic	Yinyin Xiao
982	An Efficient Replication Attack Detection Scheme for Wireless Sensor Networks Using Certificate	Jianmin Zhang
1005	Rate-Compatible Punctured Ring Convolutional Coded Continuous Phase Modulation	Zhang Lei
1032	An approach to micro-blog sentiment intensity computing based on public opinion Corpus	Wu Hanxiang
1041	Preferential Direction Based Geography and Traffic Routing Protocol for VANET	Yuanzhen Li
1062	A Speech Enhancement Method Based on Kalman Filtering	Chaogang Wu
1068	Secure Storage Systems with Access Structures	Qiong Xiao Wang
1080	Wireless Multi-hop Network Scenario Emulation with MinGenMax Error Based on Interval Equivalent Character of Wireless Communication	Huizhou Zhao
623	Performance Analysis of LFM Signal Parameter Estimation through FrFT Transform	Wang Zezhong
677	A double auction scheme based on secret sharing and safe comparing protocol	Zhang Bin
695	The Comparison of Machine Learning Algorithms on Online Classification of Network Flows	Keji Wei
732	Effective fine timing synchronization based on pilot resolution and MDS estimation for a coherent DRM receiver	Bin Xue

Paper ID	Title	Author
702	The Application of Federated Kalman Filtering in SINS/GPS/CNS Intergrated Navigation System	Deng Hong
752	Estimate BER Distributions of Turbo Codes	Shao Xia
797	MATLAB simulink of COST231-WI model	Yihuai Yang
931	Data Collection Method with A Mobile Sink Node in Wireless Sensor Network	Hu Changjun
952	A modified semi-supervised color image segmentation method	Wei Hongru
1022	Dynamical Frequency Assignment of WSN Based on Cloud Computing Technology	Jing Jun-li
1037	Evaluation of performance for wireless sensor networks Based on Gray Theory	Jing Jun-li
1073	Design of Mobile Acoustic Source Positioning System	Chen-lin Du
1074	Feature dimension reduction algorithm based prediction method for protein quaternary structure	Tong Wang
1085	Compose Real-world Service With Context	Guoping Zhang
1091	An Epistemic Model Checking Approach to Web Service Compositions	Xiangyu Luo
649	Balanced Energy Efficient Clustering Routing Scheme for Wireless Sensor Network	Jiang Feng
970	Modeling and Characteristic Analysis of Rain Attenuation for Mobile Communication	Aihua Wang
1047	Unicast Routing Strategy for Vehicular Ad hoc Networks	Yuanzhen Li
1079	A combining rate adaptation scheme of channel coding and network coding in none-relay downlink wireless system	Zhiping Shi
1082	A Wireless Solution to Collecting and Displaying Oil Temperature Data Based on Zigbee Network	Jingcong Cui
1127	chaos synchronization of secure communication Based on Adaptive Inverse Control	Jiao Sumin
483	Compact Design of an UWB Antenna with Dual Band-Notched Characteristic	Wenbo Zeng
858	Research on Trustworthy Distributed System	Luo Chen
981	Keywords Review of IT Security Literature in Recent 20 Years	Qian Liping
715	An Approach Towards Dynamic Opportunistic Routing in Wireless Mesh Networks	Sudhanshu Kulshrestha
129	Research and Design of the Firewall Penetration Technology Serving to Information Sharing Systems	Gao Shou-ping
195	Discussion on IGMP Snooping and its Sequence in Industrial Applicaiton	Sheng Lu
199	A new Solution of Multicast Packets Mangement for Managed Ethernet Switch	Sheng Lu
211	Research on new type of distance teaching frame mode Based on FCM and Multi-Agent	Xiaotie Qin
1042	The Design and Implementation of Intelligent Street Lamp Control System	Ligong Cui
1063	Identifying protein structural classes using MVP algorithm	Tong Wang
1087	The Application of RFID Technology in the Dangerous Goods Logistics	Liu Yan
60	Design of NAND FLASH file system based on loss of balance algorithm	Jin-wu Ju
247	A Security Routing Protocol Protecting Mobile Agent Against Cluster Attack	Wenbing Wang
251	A Simple Algorithm to Strengthen the Brightness of Color Images	Hua Zhang
969	Luminous Intensity Control System Based on ZigBee Wireless Sensor Networks	Pei Yan-ming
258	The Application of Bayesian algorithm of data mining in insurance claim	Xiaotie Qin
268	Overview of Trust Model in Multi Agent System	Xiaotie Qin
304	Design and Development of Single Chip Microcomputer (SCM) General Experimental Platform	Jian Li
375	The Empirical Study on the Relationship between Knowledge Integration and IT Project Performance	Ying Cui
818	AN FPGA IMPLEMENTATION OF TCM CASCADE SPACE TIME BLOCK CODE	Jun Wu
8	Application of Digital Mockup Technology	Gaoming Ding
17	Power Factor Analysis of the Linear Motor in Mines	Xianyi Qian
25	Structure and Control of Flywheel Energy Converter	Yiming He
267	Enlightenment on Computer Network Reliability from Transportation Network Reliability	Hu Wenjun
748	Research on excessive road fuel problem based on Extension Strategy Generating Method	Li Shufei

Paper ID	Title	Author
80	Optimal Channel Assignment Algorithms for Wireless Networks Modelled as Hexagonal and Square Grids	Ping-li Lv
117	Design and Implementation of a CIM-SPL Based RBAC Policy Language	Yanming Cao
207	An Incentive Compatible Reputation Model for P2P Networks	Jianli Hu
228	Outage Evaluation for Half-Duplex Asymmetric Two-Way Decode-and-Forward Relaying	Xiaodong Ji
242	A Novel Distributed Detection Structure in Clustered Electromagnetic Spectrum Monitoring Sensor Networks	Zhang Yu
315	An Energy Saving Scheme Based on Evolutionary Potential Power Allocation	Zhaoming Lu
321	A QoS Multicast Routing in TDMA-Based MANET Using Directional Antennas	Yuan Li
328	Subcarrier Allocation in Cognitive Radio Systems	Pei Zhang
329	The Study on Formal Verification of OS Kernel	Zhang Yu
335	A Scheme on PN Code Tracking of DS/FH Signals for Telemetry, Tracking, and Commanding (TT&C)	Shaohua Chen
351	Extended Kalman Filter based Frequency Estimation for High Dynamic Environment	Tian Tian
416	A new joint Antenna Selection Algorithm based on capacity	Li Yuan
433	Vaccine Theory in Intrusion Detection Model Based on Artificial Immune System	Jing Xiao-pei
467	An Orbit-based Search Algorithm to Solve N-Queens Problem	Jun Zhang
475	An Improved Dynamic Probabilistic Packet Marking Algorithm	Qiao Yan
496	Reduction of Feedback Based-on User Traffic Rate in OFDM Relay System	Qian-bin Chen
90	Multiset Canonical Correlation Analysis Using for Blind Source Separation	Huagang Yu
255	A Comprehensive CBVR system based on Spatiotemporal Features such as Motion,Quantized color and Edge Density Features	Kalpna S.Thakre
95	Doppler Shift Estimation for TD-SCDMA System over Railway Environments	Junfeng Wang
178	A Novel Approach to Simulate DDoS Attack	Qing Li
277	A Scalable Simulation Method for Network Attack	Jinsong Wang
310	Analysis of a Replication Attack Detection Protocol for Wireless Sensor Networks	Wentao Zhu
326	Research on the Real-time Video Transmission mechanism Based on TFRC	Xiao Fu
343	Privacy Preserving Similarity Measurement	Zhang Guo-rong
355	Research on Supervision on Mobile Value-added Services Based on Game Theory	Zhao Di
370	A New Ranging Technique for IEEE 802.16e Uplink	Wang Shi
424	Bounds of a Class of Channel Assignment Problems in Cellular Networks	Ping-li Lv
432	Model and Credibility Support of Pervasive Computing Based on Classified QoS	Le Wei
434	Relative Distance Based Routing for Delay Tolerant Mobile Sensor Network	Jieyan Liu
436	Geometric invariant robust image hashing via zernike moment	Rui Sun
441	Simulation and Implementation of 2D DOA Estimation in Wireless Location	Ping Tan
492	Detection performance analysis and parameter design method of DSSS signal acquisition algorithm based on the MAX /TC criterion	Ma Lin
510	A Multicast Routing Mechanism in Mobile Ad hoc network through Label Switching	Li Mengyang
516	A Trust Evaluation Model for Industrial Control Ethernet Network	Zhou Sen-xin
520	Infrared Image Denoising via Two-step 3D Block-matching Collaborative Filtering	Changqing Kang
528	Cross Layer Design and Performance Analysis of HARQ Schemes in Multi-Relay Networks	Cui-qin Dai
533	3DiTPS: A Localization Scheme for Underwater 3D Acoustic Sensor Network	Zhou Qiming
554	Joint Beam-Power Coordinative Scheduling of Neighboring Sectors in Cellular Systems	Ying Liu
558	Simulation Design of AOS Cross Layer Transmission	Mingxue Bi
559	Design and Simulation of Feedback Interference Cancellation Repeater	Fuhong Zhang

Paper ID	Title	Author
563	EEACE: Energy Efficient ACE Algorithm for Wireless Sensor Networks	Zhang Meiyang
566	Smart Parking System based on Wireless Sensor Network for Large Parking Lots	Zhang Meiyang
596	Defending against LDoS attack using fair AQM	Wang Bianqin
23	A Group-oriented access control scheme for P2P Networks	Xiaoming Wang
40	Study On Replica Strategy In the Grid Environment	Rui-qiong Zhong
49	Resource Allocation in OFDM-based Cognitive Radio Systems	Pei Zhang
104	Design and Implementation of a Trusted SoC Chip	Zhang Luguo
36	Design of Autonomous Robot Soccer System Based on Sugeno Fuzzy	Shi Lei
54	A Systematic Measurement of CSP Based on Fuzzy Analytical Hierarchy Process	Shouming Chen
330	Study on the distribution of networked devices' clock skew	Jiao Chengbo
339	A Semantic-Aware Context-Based Access Control Framework for Mobile Web Services	Shen Haibo
365	Research on Digital Watermarking Agent Based on Software Behavior	Quan Wen
379	The Deniability Analysis for a Deniable Authentication Protocol	Dawei Wei
484	Multi-frequency Reconfigurable Micro-strip Antenna Design Based on Immune Algorithm	Yuan Li
521	Intelligent Clothing Embedded GPS Data Processing Based on Shifting Huffman Coding	Fu-xiang He
532	Based on GIS and MATLAB technology forecast the dynamic variation of the groundwater in Minqin oasis	Fan Dongli
538	Positioning Algorithm for Wireless Sensor Network Based on Adaptive Genetic Algorithm	Ting Gong
627	A tamper-proof dynamic graph software watermarking scheme	Deng Zuojie
636	A Study of the Pass Loss Models Based on Measurement and Simulation	Yihuai Yang
679	Overcoming the Limitation of the Narrowband Detector: A Sensing Task Scheduling Framework	Han Han
756	Segmenting Algorithm and Publishing Based on UVA Image	Jiafeng Wang
760	Authenticated Hash Join Processing in Outsourced Database	Ma Sha
768	Research of Virtual Channels Scheduling Algorithm Based on Priority in Packet Telemetry System	Tian Ye
971	A New Resource Organization Model for P2P-Grid	Ye Conghuan
1081	Adaptive Skipping Frame in TMN8 Rate Control	Huang Xiaoping
99	Study on thickness calculation method for undigraph	Yan Cui
161	Rock landslides remote monitoring warning system based on the wireless communication technology	Yang Jun
215	The application of I2C bus in Mobile phone	Qingxia Dong
238	Development of Landslide Information Acquisition-transmission System Based on Wireless Communication Technology	Zhang Peng
286	A New Blind Equalization Algorithm Suitable for Sparse Underwater Acoustic Channel	Zhu Tingting
380	Research on Welding Line Defect Recognition of the In-service Pipeline Using X-ray Detecting	Yuan Peixin
385	A new R*Q-tree spatial Index based on the delaying selection and Clustering Splitting	Quanyou Song
445	A Three-Party Password Authenticated Key Exchange Protocol with Key Confirmation	Gang Yao
457	Study of Context Sensitive Mobile Search in Ubiquitous Knowledge Environment	Jinhong Wu
479	The Impact of Slack Resources on the Performance of Information Technology Firms	Heping Zhong
504	Analysis and improvement of Boyen's lattice-based signature scheme	Miaomiao Tian
580	Design and Implementation of Anti-phishing Authentication System	Wang Binjun
601	A Structured Multi-signature Scheme Against Forgery Attack	Wenjun Luo
618	Research on Integrity Issues of Shibboleth Authentication Mechanism	Lili Zhong
619	A Design of Trust Degree Transfer Algorithm for P2P Network	Wang Hao-yu
85	The research of the CO2 wireless monitoring system based on nRF401	Chen Hongyan
138	Research on Internet of Things based on SOPC	Fu Shimin

Paper ID	Title	Author
327	Research of Secure Multicast based on Structural Method	Yan Wang
406	The Research and Design for IPSec Protocol based on Embedded Linux OS over IPv6	Xiao-dan Chen
435	frameproof codes based on the Generalized Difference Function Families	Qingjun Cai
585	A new half-blind algorithm of smart antenna for mobile terminal	Yuan Li
586	Analysis and Simulation of Mobile Terminal Dual-unit Smart Antenna	Li Yuan
641	Research on Audience Rating Statistics of Two-way Digital TV Based on OpenSSL	Chen Junhua
15	Application of PKI in Encrypting Communications and Verifying Identities of Users in the Internet Banking	Xingyu Gong
89	Analysis and Optimization of Steam Duct for Improving Performance of Steam Cleaner	Jian-hua Wang
166	Design of a Service-oriented Gateway for Connecting Sensor Networks with Internet	Wang Haichun
252	Software Defect Detection-oriented Static Analysis Techniques	Hua Zhang
282	Study on Quality Evaluation System for University Students	He Yongqiang
294	Research on a new intelligent home gateway	Junhui Zheng
298	Study on System Architecture Design of University Students Quality Evaluation	He Yongqiang
305	The Bus Dispatching Optimal Control System Based on Real-time Data Acquisition	Jian Li
431	A new three-party key exchange protocol based on Diffie-Hellman	Chunling Liu
511	The existence of homoclinic solutions for second order Hamiltonian system	Jie Gao
602	Personalized choices of college Based on the fuzzy clustering analysis	Xiaotie Qin
801	The Research and Realization of Capacitive Current on Line Measurement Based on DSP	Jianwen Wang
805	The Research of On-line Monitoring System of Power Cable Joint Temperature	Jianwen Wang
862	Design and Implementation of Management Information System of Field and Track Training	Feng Bing
870	A Note on a perturbation theorem for Frames in Hilbert Spaces	Wenjun Gao
874	The Channels and Demands Analysis for Chinese Farmers' Agricultural Information Acquisition	Tingting Zhang
940	Products Selection Modeling of Medicine Manufacturing Industry Development in Beibuwan Economical Zone	Zeng Jian-hong
987	Crash Recovery for Embedded Main Memory Database	Yi-bing Li
992	Crisis of Fuzzy Mathematics Cannot be Solved by Using Fuzzy Axiomatic and Logical System	Lifang Zhao

Part V Instructions for Presentations

Oral Presentation

Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

Materials Provided by the Presenters:

PowerPoint or PDF files

Durations of each Presentation (Tentatively):

Regular Oral Session: about 15 Minutes of Presentation, 5
Minutes of Q&A

Keynote Speech: 35 Minutes of Presentation, 5 Minutes of Q&A

Part VI Hotel Information

Conference Hotel: *International Academic Exchange Center of HUST*



International Academic Exchange Center of HUST is located at No. 1037 Luoyu Road in the campus of Huazhong University of Science and Technology (HUST).

Address: No.1037 Luoyu Road, Hongshan District, Wuhan, Hubei Province, China.

How to get to the hotel

10 km to Railway Station, 47 km to Tianhe Airport.

From the Tian He Airport:

Take a taxi to No.1037 Luoyu Road, Hongshan District, Wuhan (fee: about RMB 140. Time: 90 minutes)

From the Railway Station:

Take a taxi to No. 1037 Luoyu Road, Hongshan District, Wuhan (fee: about RMB 25. Time: 30 minutes)

From the Long Distance Bus Station:

Take a taxi to No. 1037 Luoyu Road, Hongshan District, Wuhan (fee: about RMB 25. Time: 15 minutes)



Homepage: <http://www.husthotel.com>

Tel: +86-027-87540188

Fax: +86-027-87540108

Rate: Standard Room RBM 338/ Night (8[#], about 60USD/Night).

Rate: Single Room RBM 328/ Night (8[#], about 50USD/Night).

请送我到:

华中科技大学国际学术交流中心(8[#]楼)

Please take me to:

CONFERENCE HOTEL: International Academic Exchange Center of HUST, No. 1037 Luoyu Road, Hongshan District, Wuhan, China

Part VII Contact Us

Contact Information

Email: nswctc2011@vip.sina.com, info@nswctc.org

Phone: +86-15102769170