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Part I NSWCTC2010 Conference Schedule

Friday, 23 April, 2010

9:00-19:00	Registration	International Academic Exchange Center of HUST
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Saturday Morning, 24 April

Time	Activity	Location
8:30-8:45	Opening Ceremony	
8:45-9:15	Keynote Speech: Visual Cryptography Speaker: Prof., IEEE Fellow and IET Fellow, Chin-Chen Chang (Feng Chia University, Taiwan)	
9:15-9:45	Keynote speech: From Artificial to Biologically-Connected Neural Systems and Behavior Regeneration Speaker: Prof., Jianxin Xu (National University of Singapore)	Conference Room
9:45-10:00	Coffee Break	The Bulding No. 1
10:00-10:30	Keynote Speech: From Genes to Drug: Bioinformatics, Bioengineering, and Biotechnology Speaker: Prof., Matthew He (Nova Southeastern University, USA)	(1号楼 学术报告厅)
10:30-11:00	Keynote Speech: The Genetic Code, Hadamard Matrices and Inherited Cycles Speaker: Prof., Sergey Petoukhov (Russian Academy of Sciences, Russian)	
11:00-11:30	Keynote Speech: Cooperation in the Low Power Regime for the MAC Using Multiplexed Rateless Codes Speaker: Prof., IEEE Fellow, Zixiang Xiong (Texas A&M University, USA)	

Saturday Noon, 24 April

12:00-13:30	Launch Buffet	Yuanzhongyuan, Huazhong University of Science and Technology
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Saturday Afternoon, 24 April

Time	Activity (Coffee Break 15:50-16:10)	Location
14:30-17:30	Oral session	Room 211 of the Bulding No. 1

Saturday Evening, 24 April

18:00-20:00	Welcome Banquet	3 th floor, Baijingyuan, Huazhong University of Science and Technology
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Sunday, 25 April

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

Part II Keynote Speeches

Keynote speech: Visual Cryptography

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

Time: 8:45-9:15, April 24, 2010

Location: Conference Room of the Bulding No. 1



Abstract—Based on visual cryptography scheme, an effective and generalized scheme of color image hiding is introduced. By means of little additional computations, it goes through a color index table to hide and recover a secret image. In this scheme, a secret color image hides itself in two arbitrary color images, which can be constructed and then are kept by two participants, separately. Note that the processed images are significant. It is a kind of camouflage. Later, the secret image can be recovered through the same simple algorithms on two camouflage color images. In this scheme, only one of the two camouflage color images cannot reveal the secret image. Thus, the hidden information is secured.

Bibliography

Professor C.C. Chang was born in Taichung, Taiwan on Nov. 12th, 1954. He obtained his Ph.D. degree in computer engineering from National Chiao Tung University. He's 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.

Keynote speech: From Artificial to Biologically-Connected Neural Systems and Behavior Regeneration

Speaker: Prof., Jianxin Xu (National University of Singapore)

Time: 9:15 -9:45, April 24, 2010

Location: Conference Room of the Bulding No. 1



Abstract—Artificial neural network is a class of biologically-inspired systems that offer solutions to various real-life problems. In this talk, we will present recent advances on neural systems at anatomical and system levels. Recent researches on *C. elegans* disclose the complete wire diagram of the synaptic connections and morphology of *C. elegans* associated with functionalities. This enables not only the biologically-inspired neural modeling, but also biologically-connected neural modeling using dynamic neural networks. Real animal behaviors can thus be explored and regenerated through the celebrated neural learning algorithms. On the other hand, recent researches on human brain physiological structure suggest a new dynamical neural model - liquid state machine, which mimics the connectionism with fading memory, spiking encoding, in particular the spatio-temporal encoding. We will present some applications in classification that involve temporal structure.

Bibliography

Professor Jianxin Xu received the Bachelor's degree from Zhejiang University, China, the Master's and PhD degrees from the University of Tokyo, Japan. All his degrees are in electrical engineering. He worked for one year in Hitachi Research Laboratory, Japan, one year in Ohio State University as a visiting scholar, and 6 months at Yale University as a visiting research fellow. In 1991, he joined the National University of Singapore, and is currently a professor in the Department of Electrical and Computer Engineering, and the area director for control, intelligent systems and robotics. His research interests include learning theory, system control, and robotics. He has 400 publications including 130 peer reviewed journal papers and 5 books. He has served as the general co-chair for 2007 IEEE Conference on Evolutionary Computation, and program chairs for a number of international conferences. He served as the IEEE Singapore EMBS Chapter chair.

Keynote speech: From Genes to Drug: Bioinformatics, Bioengineering, and Biotechnology

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

Time: 10:00 -10:30, April 24, 2010

Location: Conference Room of the Bulding No. 1



Abstract- The outline of this talk includes three parts:

Part 1 Bioinformatics and Informatics

From Genetic Code to Life: Bioinformatics

From Binary Code to Machine: Computer Science

From Data to Knowledge: Informatics

Part 2 Biomedical Engineering and Biotechnology

From Pixels to Images: Medical Imaging

From Genes to Drug: Biomedical Engineering

From Proteins to Function: Proteomics

Part 3 Physical Biology, Brain Science, and Beyond

From Atoms to Living Systems: Physical Biology

From Neurons to Consciousness: Brain Science

From Genes to Culture: New Sciences

Bibliography

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 in 2004. He has been awarded as an academician of European Academy of Informatization since 2004. He received the World Academy of Sciences Achievement Award in recognition of his research contributions in the field of computing in 2003.

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 and published over 100 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.

Keynote speech: The Genetic Code, Hadamard Matrices and Inherited Cycles

Speaker: Prof., Sergey Petoukhov (Russian Academy of Sciences, Russian)

Time: 10:30 -11:00, April 24, 2010

Location: Conference Room of the Bulding No. 1



Abstract- Algebraic theory of coding uses matrix algebra intensively. This paper is devoted to an application of Kronecker's matrix forms of presentations of the genetic code for algebraic analysis of a basic scheme of degeneracy of the genetic code. The main attention is paid to investigation of cyclic families of genetic matrices which are connected by permutation relations with the genetic matrix $[C A; U G](3)$, where C, A, U, G are the letters of the genetic alphabet. This matrix contains all 64 triplets in a strict order. Peculiarities of the basic scheme of the code degeneracy are reflected in the symmetrical black-and-white mosaics of these genetic matrices. These mosaic matrices are unexpectedly connected algorithmically with Hadamard matrices, Rademacher and Walsh functions, which are well-known in the theory of signal processing and encoding, spectral analysis, quantum mechanics and quantum computers. Cyclic properties of a set of these genetic matrices allow new approaches to understand biological phenomena of inherited cycles including biorhythms in the field of genetic chronobiology ("the chronocyclic conception"). The author thinks that structures of the genetic code reflect not only its participation in definition of primary structures of proteins but also its participation in mechanisms of inherited biorhythmic phenomena connected with circadian rhythms, etc. Matrix algebra is one of promising instruments and of adequate languages in bioinformatics and biomedical engineering.

Bibliography

Sergey Petoukhov, Ph.D., is a chief scientist of the Department of Biomechanics, Mechanical Engineering Research Institute of the Russian Academy of Sciences, Moscow. He is Full Professor and Grand Ph.D. from the World Information Distributed University in 2004. Dr. Sergey Petoukhov has been awarded as an academician of European Academy of Informatization since 2004. He is a Laureate of the State Prize of the USSR (1986) for his achievements in biomechanics. Dr. Sergey Petoukhov graduated Moscow Physical-Technical Institute in 1970 and post graduated this Institute in 1973 with a specialty "biophysics". He received his first scientific degree in the USSR in 1973: Candidate of Biological Sciences in specialty "biophysics". He received his second scientific degree in the USSR in 1988: Doctor of Physical-Mathematical Sciences in two specialties - "biomechanics" and "crystallography and crystallo-physics". He was

elected as an academician of Academy of Quality Problems (Russia) in 2000. Dr. Sergey Petoukhov is a Director of Department of Biophysics and Chairman of Scientific-Technical Council in “Scientific-Technical Center of Information Technologies and Systems (INTES)”, Moscow, Russia. He is Chairman of International Advisory Board of “International Symmetry Association (ISA)” since 2000 till now. Dr. Sergey Petoukhov is an Honorary Chairman of Board Directors of “International Society of Symmetry in Bioinformatics (ISSB)” since 2000. He is Vice-president and academician of National Academy of Intellectual and Social Technologies (Russia) since 2003. Dr. Sergey Petoukhov is academician of the International Diplomatic Academy (Belgium, www.bridgeworld.org). He is Russian chairman (chief) of an official scientific cooperation between Russian and Hungarian Academies of Sciences in the theme “Non-linear models in biomechanics, bioinformatics and in theory of self-organizing systems”.

Dr. Sergey Petoukhov has authored/edited 8 books and published over 150 research papers in the areas of biomathematics, bioinformatics, biophysics, theoretical biology and theory of symmetry. He is a member of editorial board of international journals: “Journal of Biological Systems” and “Symmetry: Culture and Science”. He was a guest editor of special issues (in bioinformatics topic) of international journal “Journal of Biological Systems” (2004) of World Scientific Publishing. Dr. Sergey Petoukhov is the book editor of “Symmetries in Genetic Informatics” (2001), “Advances in Bioinformatics and its Applications” (2004), a Russian edition (2006) of the book by Canadian Professor R.V. Jean “Phyllotaxis: A Systemic Study in Plant Morphogenesis (Cambridge University Press, Cambridge, 1994). He is a co-organizer of international conferences in theory of symmetries and its applications (Budapest, Hungary, 1989; Hiroshima, Japan, 1992; Washington, USA, 1995; Haifa, Izrael, 1998; Budapest, Hungary, 2003, 2006, 2009; Moscow, Russia, 2006). He is a co-chairman of the organizing committees of the international conferences “Modern science and ancient Chinese “The Book of Changes” (IChing)”, Moscow, Russia, 2003, 2004, 2005, 2006. He is a teacher of a course of bioinformatics in Moscow Physical-Technical Institute. He actively involved in promoting science, education, and technology.

Keynote speech: Cooperation in the Low Power Regime for the MAC Using Multiplexed Rateless Codes

Speaker: Prof., IEEE Fellow, Zixiang Xiong (Texas A&M University, USA)

Time: 11:00-11:30, April 24, 2010

Location: Conference Room of the Bulding No. 1



Abstract

We consider cooperation in the low power/SNR regime for the multiple access channels with the assumption that the transmitters have no channel state information. A relevant performance measure to consider is therefore the outage capacity. We develop cooperation methods based on multiplexed coding in conjunction with rateless codes and find the achievable rates and in particular the minimum energy per bit required to achieve a certain outage probability. We consider two modes of operation: full duplex (code division multiplexing, CDM), where nodes can transmit and receive simultaneously on the same frequency, and half duplex (frequency division multiplexing or FDM), where the nodes transmit and listen on different frequency bands. We show that, perhaps surprisingly, there is little loss in performance when using FDM. Furthermore, our results show that multiplexed rateless codes come within 0.1 dB of the outer bound on capacity. We also develop practical rateless coding methods for FDM using multiplexed Raptor codes which operate within 0.52 and 1.1 dB of the theoretical limit for the two- and four-user case, respectively.

Biography

Zixiang Xiong received the Ph.D. degree in Electrical Engineering in 1996 from the University of Illinois at Urbana-Champaign. From 1995 to 1997, he was with Princeton University, first as a visiting student, then as a research associate. From 1997 to 1999, he was with the University of Hawaii. Since 1999, he has been with the Department of Electrical and Computer Engineering at Texas A&M University, where he is a professor. His research interests are network information theory, code designs and applications, networked multimedia and genomic signal processing.

Dr. Xiong received a National Science Foundation Career Award in 1999, an Army Research Office Young Investigator Award in 2000, and an Office of Naval Research Young Investigator Award in 2001. He also received the 2006 IEEE Signal Processing Magazine best paper award. He served as associate editor for the IEEE Trans. on Circuits and Systems for Video Technology (1999-2005), the IEEE Trans. on Image Processing (2002-2005), the IEEE Trans. on Signal Processing (2002-2006), and the IEEE Trans. on Systems, Man, and Cybernetics (part B) (2005-2009). He is currently an associate editor for the IEEE Trans. on Communications. He was the publications chair of ICASSP'07 and the technical program committee co-chair of ITW'07. He was also a tutorial presenter at ICASSP'05, VCIP'05, ICME'07 and Globecom'07.

Part III Oral Sessions

Oral Session

Room 211 of the Bulding No. 1

14:30-17:30, Saturday, April 24

Paper ID	Title	Author
1656	MIMO Capacity with Different Antenna Layout	WANG Qian-ya
1336	A Grid Reputation Model Based on Service Quality	Du Ruizhong
1794	Power Spectral Density Comparison for the clipped OFDM-type signals	Teng LI
1156	Analysis of Web Security Comprehensive Evaluation Tools	Hui-zhong Shi
1809	A Network on Chip Architecture and Performance Evaluation	Wang Zhang
1678	Security Properties Analysis of Routing Protocol for MANET	DongHong Xu
1713	A Puncturing Method for Ring Convolutional Coded Continuous Phase Modulation	Lei Zhang
	The Research and Exploration of Soft X-Ray Microscopy on the Image Identification System of	Hao Jian
1522	Squamocellular Cancer of Esophagus	
921	A Hierarchical Semi-centralized Architecture for Load Balancing of Heterogeneous Wireless Networks	Li Bin
1378	Participant and Speech Detection of Encrypted VoIP Traffic	Yuanchao Lu
1118	Quantum cryptographic network using entanglement swapping	Dexi Zhang
788	Efficient Intrusion Detection System Model in Wireless Mesh Network	Yatao Yang
1253	The model of Trusted Network Connect based on Credibility of the Hierarchy	Juan Fang

Part IV Poster Sessions

Poster Session

Chair: Prof., Wenbin Hu

Room 211 of the Bulding No. 1

14:30-17:30, Saturday, April 24

Paper ID	Title	Author
1811	The Research of Acquiring BOC Signal in Navigation System	Bo QIAN
1258	Detecting New Decentralized Botnet Based on Kalman Filter and Multi-chart CUSUM Amplification	Jian Kang
1265	Improved Noncoherent Demodulation Based on MSDD for Block Differential UWB Communications	Dazhong Mu
1284	GTP Security in 3G Core Network	Xuena Peng
1436	Bounds of Channel Assignment Problem for Cellular Networks Modelled as Triangular Grids	Zi-ming DUAN
1512	Attacks against Two Identity-based Signcryption Schemes	Xing Wang
1594	A transmission range adaptive broadcast algorithm for vehicular Ad Hoc networks	Wu Xue-wen
1610	An Energy Efficient MAC Protocol for Wireless Sensor Surveillance Networks	Zheng Guoqiang
1814	Signal Strength Based Reliability : A Novel Routing Metric in MANETs	Yaser Taj
1636	A Comprehensive Routing Protocol in Wireless Sensor Network Based on Ant Colony Algorithm	Wenjing Guo
1660	A novel limited feedback approach based on prediction for MIMO beamforming system	Min Wu
1679	Reliable Resource Search in Peer-to-Peer Network Based on Power Law Distribution	SONG Wei
1685	Distributed Fault Detection for Wireless Sensor Based on Weighted Average	Sai Ji
1687	A Generic Model for Software Monitoring Techniques and Tools	Chang-Guo Guo
1700	An Improved Fuzzy Clustering Method for Text Mining	Deng jia bin
1708	Hopfield-association: Establishing a Shared Key in the Wireless Sensor Networks	Ang Gao
1721	An Immune Danger Theory Inspired Model for Network Security Monitoring	Feixian Sun
1730	Interference Analysis of TD-LTE and TD-SCDMA System Coexistence	Pei CHANG
1743	A Hypervisor-based Secure Storage Scheme	Dan Wang
1755	Performance Analysis of Selection Combining in Decode-and-Forward Cooperative Diversity Networks over Weibull Fading Channel	Yuejun Lei
1773	An Incentive Congestion Control Strategy for DTNs with Mal-behaving Nodes	Lei Yin
1789	An Efficient Elliptic Curve Scalar Multiplication Algorithm Suitable for Wireless Network	Min Tian
1249	A Robust On-line Blind Separation Algorithm with Dynamic Source Number Based on Neural Network	Li Hui
1270	A Simplified Soft Decision Demapping Algorithm of 16-APSK Signals in AWGN Channels	Enxin Yao
1280	Pointer-type Meter Reading Method Research Based on Image Processing Technology	Guan Yudong
1297	Fromal Analysis of Trust Chain	Chen Li
1309	A Novel AOS Virtual Channels Scheduling Algorithm Based on Frame Urgency	TIAN Ye
1318	Impact of Pursuer Speed on the Performance of Distributed Surveillance Sensor Network	Chaoliang Li
1320	A Modified Approach of Underdetermined Blind Source Separation in Time-Frequency Domain	Xishun Ren
1324	Towards A Unified Framework for Network Survivability Measurement	Wang Chunlei
1477	A Method for Network Vulnerability Analysis Using Colored Petri Net	Man Dapeng Wu
1482	Performance Evaluation of Relay-aided Multi-cell OFDMA System	Jing Yang
1507	Tasks Security Scheduling Based on DPSO in Heterogeneous Grid Environment	Hai Zhu

Paper ID	Title	Author
1525	A Reliable Routing Technology Based on Direction Judgment for Vehicular Network	Hao Kun
1539	An Efficient Control Method of Multi-copy Routing in DTN	Hong Bian
1577	A Cross-Layer Resource Allocation Algorithm with Finite Queue for OFDMA System	Gang Chen
938	Power Control for Secondary users in Cognitive Radio based on Spectrum Utilization Efficiency	ZhengchaoWang
1578	Adaptive Chinese Combinatorial Ambiguities Disambiguate Method	Su-qin FENG
1579	The Reasoning Rules Based on CATL of P2P File Sharing System	yu bao
1607	A New Cluster Based Routing Protocol For VANET	YuYi Luo
1618	Research on Cognitive Radio Model Based on Game Theory	Zhenyu Zhang
1642	Optimization of ARQ in Multi-hop wireless Network	Lifen Wu
1652	Bandwidth Allocation Based on Multi-Coalition Game in Wireless Sensor Networks	Yonghui Zhao
1761	Efficient Secure in-network Data Aggregation in Wireless Sensor networks	Hailin Feng
3001	A Parallel Algorithm Based on Dividing of Closure System for Structuring Concept Lattice	Chi Ma
3010	Study of double-characteristics-based SVM Method for P2P traffic identification	Hongwei Chen
1684	Model of Ad hoc Networks for Rescuing in Mine	Sun Lei
1695	Delay Aware Broadcast Scheduling in Wireless Networks using Network Coding	Zheng Dong
1704	Privacy Protection in Secure Database Service	Yu Yonghong
1709	Weighted Symbol-Flipping Decoding for Nonbinary LDPC Codes	Bing Liu
1731	Multi-attribute Stereo Model Based IMS Security Analysis	Wang Siyuan
1308	A publicly verifiable low cost signcryption scheme ensuring confidentiality	Fahad Ahmad
1738	Energy Efficient RF Front-Ends Architecture Design for Wireless Sensor Networks	Ji-qiang Zhai
1747	Alleviating the impact of DNS DDoS attacks	LI Wei-min
1749	Optimal Positioning Algorithm in the Presence of Non-Line-of-Sight Error	Xue Lin
1750	Group Iterative Linear ZF Receiver for MIMO-OFDM systems	Zhongpengwang
1754	An improvement to TF: Term Distribution based Term Weight Algorithm	Xia Tian
1770	A Protocol for Bilinear parings-Based Attestation	Ting Chen
1788	Adaptive Power Control for Wireless Communication Systems with Nonlinear Disturbances	Cunwu Han
1790	Loop-based Dynamic Channel Assignment for Multi-radio Multi-Channel Wireless Mesh Networks	Yan Xia
1821	Testing of Trusted Chain by Model Checking	Fan He
1825	Fast and Accurate WSN Positioning in Emergency Logistics	Lai Xin
1826	Trust Service Discovery by Opinions Classification on Virtual Communities	Qing Zhu
1161	Available Separation-of-Duty Policies in Access Control	Baoping Wang
1168	Research of Trust Chain Improvement Technology	Jiang Yi
1186	A WiMax QoS Oriented Bandwidth Allocation Scheduling Algorithm	Hao XIE
1188	Cryptanalysis of several linkable ring signature schemes	Huaqun Wang
1189	Cryptanalysis and improvement of several digital signature schemes	Huaqun Wang
1212	A Direction Constained Eigenspace-Based Beamforming Algorithm	Shuyan Ni
1353	Iterative LDPC-Hadamard Code-Aided Carrier Frequency Synchronization at Extremely Low SNR	fajian tang
1356	MODE-SUMWE Algorithm for Estimating DOA of Coherent Signals on Uniform Circular Array	Hui Zhao
1489	Programmable Digital Front-End Design for Software Defined Radio	LIN Fei-yu
1648	Proxy Signature Scheme Secure against Chosen Key and Chosen Warrant Attacks	Guozheng Hu
1677	A Image Steganalysis Based on Spatial Domain and DWT Domain Features	Changxin Liu
1680	The Analysis of Global Illumination Rendering Based on BRDF	Wei Wang
1703	A Data Fusing Random Detection Method in Ad Hoc Networks	Zhiyuan LIU

Paper ID	Title	Author
1718	A Distributed Algorithm for Building Energy-efficient Group-Shared Multicast Tree in Ad Hoc Networks	Yuhong Luo
1724	An On-demand Scheduling Algorithm for Time-sensitive Transactions in Bluetooth Wireless Personal Area Networks	Tang Zhangjie
1727	Chaos-based Estimation Method for Software Reliability	Chenxi Shao
1739	Design of Complex Event Processing System for Wireless Sensor Networks	Li Peng
1793	An Adaptive and Robust Routing Protocol Wireless Sensor Networks	Luqun Li
1803	Research on the Cascaded Suppression Method of Blanket Jamming in Satellite Navigation Receivers	Wenfei Gong
1804	Secure Short Hierarchical Identity-Based Signature in the Standard Model	Leyou Zhang
1822	A Summarization of Multimedia Resource Digital Rights Expression Language	Di Wu
1823	Survivability Evaluation for MANET Based on Path Reliability	Tong Wang
1423	An Effect Evaluation Model for Vulnerability Testing of Web Application	DU Jing-Nong
1468	A New Constellation Mapping Scheme of MPSK in BICM-ID	Changyou Guo
1469	Research on Adaptive Modulation of MIMO-MPSK	Changyou Guo
1584	The application study of learner' s face detection and location in the teaching network system based on emotion recognition	Shuai Liu
1622	Intrusion Detection Based On Variable Prefix of System Call	Qi Zheng
1663	Design of Quasi-Elliptic Filter for Optimizing The Band-Edge Selectivity	Ke Guan u
1692	A 19-ppm/° C Bandgap Voltage Reference Source	Shi-bin Lu
1714	Design of Wireless Gateway based on hybrid net control system	YAO XiaoFeng
1780	Performance of a Novel Relay-STBC-HARQ for Cooperative MIMO System	Chen Yong-hui
2001	The Study of Learner' s Expression Feature in E-learning System	Yin Liu
2003	Intelligent psychological counseling system having emotion interaction function	Zhiguo Tong
2007	Study of Joint Turbo Codes and SC-FDE in Wideband Wireless Communication	XU Dinggen
2023	Research On Coupling GIS and Multi-Agent of Spatial Information	PENG Yi
2028	Research on Modeling of Multiparty Trust Negotiation based on Coloured Petri-net in P2P Network	LI Yonghao
3005	Research on Security of Mobile Payment Model Based on Trusted Third Party	Wei Feifei
3007	Improving Lookup Performance Based on Kademlia	Chunzhi Wang
1287	Research the Access Control Strategy on P2P Based on Interest Classify, Trust and Security Grade	LIU Yihe
1682	Research on Trust-Authorization-based Access Control Model for Web Services	Zhang Yongsheng
1346	An Improved Coverage Scheme Based on Cellular Automata in WSN	Sheng Wang
1364	The Statistical-Sakagami model for the 4G Mobile Communication Systems	Yihuai Yang
1371	A Dual Channel-Based Energy Efficient and Low Latency MAC Protocol for WSNs	Zheng Guoqiang
1519	Research and Implement of DRM Baseband Encoder and Modulator Based on Embedded System	Nanhao Zhu
1315	Research of the improved traditional MDA	Zhang Jingjun
1543	A Research of Trusted Information System Based on Cooperative Sub-optimum Principles	Ping He
1645	A Single Sign-On Scheme For Cross Domain Web Applications Using Identity-Based Cryptography	Yanjiong Wang
1736	Security Bootstrap Based on Trusted Computing	Yu chao
1746	Security Evaluation for Wireless Network Based on Fuzzy-AHP with Variable Weight	Runfu Zhang
1748	The Analysis of Security Weakness in BitLocker Technology	Jiang Yi-ming
1791	Reputation-based Trust Model and Anti-attack Mechanism in P2P Networks	Xiaoning Jiang
1800	Novel UWB Communication Pulse Design Method	Bin Xia
1805	A Novel Similarity Measure Framework on Financial Data Mining	Liu Yi Yixu
63	Research on Roll Fast-Mapping System	Guo-chang

Paper ID	Title	Author
844	Software Trusted Comprehensive Evaluation Model Based on Fuzzy Grey Method	Yu SONG
1304	Study on the Optional Route Algorithm of the ArcGIS Network-Based Improved Road Traffic	Huang Da-bing
1312	Research on Knowledge Exchange Duopoly Game Model of Supply Chain Enterprise based on the Cournot Model	Ma Jun
1567	Fuzzy Theory and AHP Applied to Urban Rail Transit Operation Opinion	TENG Hongan
1583	Architecture and Application Framework for Digital Hospital	Xin-Ping Hu
1597	Design of SHA-1 Algorithm based on FPGA	Deng Jian-zhi
1752	A Remote Home Security System Based on Wireless Sensor Network and GSM Technology	Huang Hui-ping
418	Research on Profile Generation and Manufacturing of Meshing Pairs for Single Screw Compressor	Ke Wang
1359	Proxy Ring Signature Based on Bilinear Scheme	Jianyong Wang
869	The Hardware Design of Dual-mode Wireless Video Surveillance System Based on DM6437	Kang Liping
1484	Design of the Urban Public Logistics Information Platform	Mao Lina
801	Design of XML Web Services Based E-government Heterogeneous Platform	Zhang Yan-mei
793	Geometrically Invariant Color Image Watermarking Using Mean-based 2D Color Histogram	Shengli Yang
800	Direction Finding via Beam Scanning and Sparse Reconstruction	Ruiming Yang
834	Communication Scheme in Trusted Sensor Network	Jun Peng
850	Trust and Reputation based Model Selection Mechanism for Decision-making	Bo Zhang
851	An Energy Efficient Clustering Algorithm in Large-Scale Mobile Sensor Networks	Jianbo Li
872	Combined Fountain Code with Network Coding in Cooperative Communication	Jing Yang
990	Malware Variants Identification Based on Byte Frequency	Sheng Yu
995	Research of Initiative Monitoring Model Based on Hybrid P2P Network for Special Information	Junping Ding
1032	A Power Control Game Algorithm Based on Interference Temperature in Cognitive Radio	Shi-biao He
1067	Research on imperceptibility index of image information hiding	XIE Jianquan
1100	Optimum Design of Digital Filters for EBPSK Demodulation	Jiajia Ding
1109	Geometry Influence on GDOP in TOA and AOA Positioning Systems	Xiwu Lv
1117	Securing Cookies with a MAC Address Encrypted Key Ring	Heng Wu
1135	Dynamic Grid Switch in Multi-Sink Mobile Sensor Networks	CHEN Zu-jue
1164	Distributed Bayesian Network Trust Model in Virtual Network	LI Wen
1174	Sensor Set Selection under Correlated Log-normal Shadowing for Cognitive Radio	Xiao ZHANG
1193	An Energy-Balanced Chain-cluster Routing Protocol for Wireless Sensor Networks	Bao Xi-rong
1209	Optimal Channel Assignment for Wireless Networks Modelled as Hexagonal and Square Grids	Zi-ming DUAN
1233	A QoS Routing Protocol for Mobile Ad hoc Networked Control Systems	YANG Yan-mei
1256	Traffic-Aware Frequent Elements Matching Algorithms for Deep Packet Inspection	Xu Kefu
1257	A Dual-Soft-Handoff Scheme for Fast Seamless Roaming in WLAN	QIAN Hong-yan
1690	Bit Level Adaptive Interleaving for WiMAX	Hao Wang
1686	Performance Analysis of Discrete-rate adaptive Modulation with Space-time Coding in Multiple Antennas System	Xiangbin Yu
396	Analysis and Improvements over DoS Attacks against IEEE 802.11i Standard	Li Wang
163	On an IBA Topology Model for Internet Topology Structure	Ye XU
175	Routing Space Internet Based on Dijkstra's Algorithm	Xiang-ying Li
332	A Link Importance Evaluation Method Based on the Characteristic of Network Communication	yu jiang
366	PAPR Analysis For STBC/SFBC SC-FDMA MIMO Systems	Quan GE
608	Research on Environment-Adaptive Architecture Model of Wireless Sensor Networks	Linfeng Liu

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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: 25 Minutes of Presentation, 5 Minutes of Q&A

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Part VII Contact Us

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