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Part I IEEC2011 Conference Schedule

Friday, 22 July, 2011

9:00-18:00	Registration	International Academic Exchange Center of HSIT
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Saturday Morning, 23 July, 2011

Time	Activity	Location
9:00-9:15	Opening Ceremony	
9:15-10:00	Keynote Speech: Authenticatable Visual Secret Sharing Speaker: Prof. IEEE and IET Fellows, Chin-Chen Chang (Feng Chia University, Taiwan)	Conference Room of HSIT
10:00-10:15	Coffee Break	(黄石理工学院国际学
10:15-11:00	Keynote Speech: A Multi-dimensional Caring System for the Service of “Empty Nester” Speaker: Prof., Zhang Qingying (Wuhan University of Technology, China)	术交流中心一楼大会议厅)
11:15-12:00	Keynote Speech: Multiterminal Video Coding: Theory and Practice Speaker: Prof., IEEE Fellow, Zixiang Xiong (Texas A&M University, USA)	

Saturday Noon, 23 July

12:00-13:30	Launch Buffet	Grand Hyatt Hotel
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Saturday Afternoon, 23 July

Time	Activity (Coffee Break 15:50-16:10)	Location
14:30-17:30	Oral session	Room 268 of HUODU

Saturday Evening, 23 July

18:00-20:00	Welcome Banquet	Grand Hyatt Hotel
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Sunday, 24 July

Time	Activity	Location
8:30-16:00	One-day Tour in Huangshi	Huangshi

Part II Keynote Speeches

Keynote Speech: Authenticatable Visual Secret Sharing

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

Time: 9:15-10:00, 23 July, 2011

Location: Conference Room of HSIT



Abstract—The computer technologies have grown significantly in the past years. More and more multimedia products such as digital cameras have become popular, so digital images are shared and transmitted widely over Internet. However, transmitting secret or important images, such as military or commercial images, over Internet is very dangerous. Malicious users may monitor Internet and try to eavesdrop these valuable images. To protect these images, visual cryptography is necessary for secure communications over Internet. Herein, secret image sharing can be applied to achieve the goal of visual cryptography. In this speech, I will talk about some visual cryptosystems based on the concept of secret image sharing. As for the topic of secret image sharing, the secret image sharing scheme uses several noise-like images, called shadows, to replace the original image transmitting over the Internet. The shadows can avoid threats from the illegal persons to access the secret image directly. Secret image sharing techniques were proposed to be another branch outside traditional cryptographic techniques and steganography. Based on sharing secret images, visual cryptography for binary images, grayscale images and color images will be introduced.

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: A Multi-dimensional Caring System for the Service of “Empty Nester”

Speaker: Prof., Zhang Qingying (Wuhan University of Technology, China)

Time: 10:15-11:00, 23 July, 2011

Location: Conference Room of HSIT



Abstract—Authoritative statistics shows that about 11 percent of the general population, i.e. 147 million people of China, is elderly ones. China has already stepped into aging society. It is urgent to establish a full dimensional caring system to care the aged persons, especially the empty nester, so as to build a harmonious society. Because of physical decline and psychological depression, the aged become weaker and sicklier, and need help from others. Meeting the elder's multifarious requirements has become the main trend currently, which is able to be accomplished by a social caring system. Caring of the elderly, especially the empty nesters, is a major concern of the whole society, which is capable to be realized with the help of the internet of things and separate technologies.

Biography

Dr. Zhang Qingying, Professor in College of Logistics Engineering, Wuhan University of Technology. A Senior Member of Chinese Mechanical Engineering Society, also a Senior Member of Chinese Management Science Society. Stayed in Sweden as a Guest Professor in department of production engineering, Royal Institute of Technology (KTH) for one year, and been the honorary professor of KTH. She has published 6 books and more than 50 papers.

Keynote Speech: Multiterminal Video Coding: Theory and Practice

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

Time: 11:15-12:00, 23 July, 2011

Location: Conference Room of HSIT



Abstract—Multiterminal video coding is rooted in Berger's 1977 theoretical work of multiterminal source coding. It targets at application in distributed video sensor networks. These networks are becoming increasingly important for a wide range of critical applications such as video surveillance, monitoring of disaster zones and traffic, elderly care, tracking people and vehicles in crowded environments, and providing more realistic images for consumer electronics and entertainment. For example, the growing use of camera arrays allows the viewer to observe a scene from any viewpoint, and the industry (e.g., Sharp and Panasonic) is starting to produce 3D displays that do not require glasses. The immersive experience provided by these 3D displays are compelling and will create a growing market for 3D video and hence for multiterminal video compression. This talk will provide a high-level overview of the theory and practice of multiterminal video coding.

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 268 of HUODU

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

Paper ID	Title	Author
67	A Novel Segmentation Algorithm of Fingerprint Image	Min Jingyan
326	Elastic constant used in continuum-based adhesion models	Haidong Huo
404	Hybrid Collaborative Filtering based on Rating and Tagging Information	Song Wang
416	KPCA-Kalman Filtering For The MEMS-SINS/GPS Integrated Navigation System	Fan Zhao
509	Joint Polarization Information for Fast Multi-Target Localization in Bistatic MIMO Radar System	Hong Jiang
233	Parametrical Optimization of a Random Number Generator for Digital Image Halftoning	Huawei Duan
202	An Optimal Model of Repair/Remanufacturing Reverse Logistics Network under Uncertainty	Yi Yaya
203	Research on Production Decision-Making Model in MRHS with Production Substitution	Yuan Xiaoli
309	Research and Application of Genetic Algorithms on Test Paper Strategy	Zhang Xin
418	A Discussion on Applicable Supply Chain Ontology Development	Yang Jian
575	Using Simio for Wartime Optimal Placement of Casualty Evacuation Assets	Kai Zhang
167	Manufacture/Remanufacture Closed-loop Supply Chain Network Optimization Model and Algorithm under Uncertainty	Yin Ling
216	Study on Appraisal of Environmental Suppliers in Closed-Loop Supply Chain Based on DEA-AHP	Xu Liusheng
446	Study on the Competitiveness and Efficiency of China's Iron and Steel Industry Based on a Three-Double-Model	Dong Huimin
858	Construction of Multi-dimensional Teaching model based on Computer Multimedia Network	Liu Hongyun

Part IV Poster Sessions

Poster Session

Chair: Prof. W.B. Hu

Room 268 of HUODU

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

Paper ID	Title	Author
142	A Resource Discovery Algorithm based on Overlay Network for Wireless Ad Hoc Network	Zhang Li
232	How the Interaction of Product Type and Online Review Valence Affects Online Review Usefulness: An Empirical Study Based on Amazon.com	Wenjun Sun
394	Ship Stowage Scheduling of Container Terminal by Combinatorial Optimization Algorithm and Strategy	Shi Lei
407	Ship Loading Scheduling Strategy of Container Terminal with Heuristic Greedy Algorithm	Luo Peng
415	Analysis the Effect of IMU Calibration Errors on SINS/GPS Integration Accuracy for Airborne Earth Observation	Xiaolin Gong
517	Cultural Algorithm for Level Set Image Segmentation	Guanghui Dong
533	Calculation of VFTOs Caused by Multi-reignitions of Disconnecter	Shao Chong
570	Acupuncture EEG Time Series Decomposition Based on State Space Method	Hao Chongqing
634	An improved zooming algorithm for mobile realtime video	Xingming Zhang
659	An Efficient Connection Table in High-Speed Networks	Zhenhui Li
662	A Fast Interest Points Matching Method Based on Retinex Model	Shuo Chen
726	Gray Moment-Based Precise Sub-Pixel Edge Positioning of Mask - Silicon Image	Jing Yang
720	Pavement Crack Extending and Connecting Detection Algorithm Based on Direction Feature and Gravitational Model	Lu Baihua
190	Research on Train Automatic Speed Control Strategy Based on Fuzzy-predictive Control Method	Rong Hua
193	Detection of Abandoned/Removed Objects in Video Surveillance System	Huang Xiaojian
215	Research on Site Selection of Thermal Power Plants Based on Improved TOPSIS	Tang Kai
230	An improved Min-Max Differential Compression Method Based on Template	Shang Jin
242	Privacy-Preserving Outlier Detection over Arbitrarily Partitioned Data	Lu Li
395	Dynamic Design Technology of Missile Launch Systems	Chen Yujun
427	The Studies of Grinding Granularity Prediction Model Based on RBF Neural Network	Zhao Hongwei
438	A Self-learning Based Opinion Mining System for Chinese E-Commerce Website	Song Tianyi
559	A Routing Algorithm Based on the Node Topology Change	Chen Caijun
626	Research on e-Commerce Identity Authentication System Based on Improved One-Time Password	Wang Changquan
645	Image Enhancement Based on Artificial Bee Colony Algorithm and Fuzzy Set	Ye Zhiwei
875	Study on Colors of High-Voltage Electricity Transmission Towers Based on Computerized Graphic Simulation	Yin Chuanyin
876	An Algorithm Implementation about SVR Based on Spider	Fei Yang
152	IT-Room Environment Monitoring-Oriented Situation Awareness Model	Yin Guanghui
305	Considering Effects of Non-linearity and SNR level of Multiple Inputs on Prony Algorithm for Electromechanical Mode Identification	Ke Zhang
123	Stability of a Class of Nonlinear Stochastic Large-Scale Systems with Time Delay	Jizhong Shi
234	A New ID-Based Proxy Blind Signature Scheme with Message Recovery	Tingting Kong

Paper ID	Title	Author
237	The Information Security System of Commercial Bank Based on Cloud Computing	Xue Li
350	Modeling and Simulation of Coal Gas Concentration Prediction Based on the BP Neural Network	Xu Lei
351	The Research on Supply Chain Partners Optimization Based on Dynamic Index Set	Zhipeng Li
359	An improved numerical solution method for interval quadratic programming	Tao Peng
464	Task allocation and Load balance on Multi-core processors	Huang Liang
484	A Hybrid Segmentation System of Offline Arabic Mathematical Expression Recognition	Mahmoud Khalifa
701	High Performance Exploratory Accessibility Mapping	Ming Yang
715	Game-Theoretical Analysis of a Pure-Play E-Tailer's Entry Strategy	Liangliang Chen
728	A Gerber-Shiu Discounted Penalty Function in the Stationary Renewal Risk Process	Ling Tang
830	The Research of Cascade Speed-Adjusting system of Induction Motor based on Digital Control	Nan Guangqun
572	Design and Application of An Interactive Web-based Teaching Platform	Biao Yang
610	Multi-scale Dynamic Representation for Geographic Process Cognition	Hu Mingyuan
83	Design of Model Management System Architecture Based on Model Net	Yingqun Zhao
151	Unique Consumption or Status Consumption: the Impact of Face on Symbolic Consumer-Brand Relationship	Changzheng Wang
165	A Method for Software Testing Based on Deterministic Finite Automata Machine	Hongmei Mao
878	A Novel Encryption Algorithm of Discrete Chaos Theory	Li Haixia
189	Research on the Method of Attributes-Based Cross-Domain Access	Wang Fu
349	The effects of Boundary Management on effectiveness of Team	Guanfeng Shi
405	Machine Learning to Judge Labor Relations' Harmoniousness Based on Decision Tree-based Method	Tianxue Chen
882	A Research on Ant Colony Algorithms to Solve TSP	Wu Honghua
406	Risk Control for Labor Relations Based on BP Neural Network	Tianxue Chen
462	An Empirical Analysis on Measurement of Operational Risk Based on Income Model and model of Basic Indicator Approach	Zhiguo Xing
556	Higher Education, Employment, Wage and Economic Growth in China	Guoai Gu
835	Research of a novel Phase Shift Full Bridge PWM DC/DC Converter	Nan Guangqun
558	Study on Incentive Mechanism of R&D Personnel for Knowledge Sharing Behavior	Yingwen Pan
581	E-commerce strategy in the age of business ecosystem	Fengxiang Li
780	Model validation of component library system based on Service-Oriented Architecture	Xu Siping
689	The Research on Multi-child Genetic algorithm Based on Clustering Selection	Zhongwei Xu
709	The Mean-Square Ergodicity for Covariance Stationary Process	Ling Tang
92	Application of Fuzzy Clustering algorithm in Intrusion Detection System	Yun Li
881	On the Similarity of Test Paper in the Intelligent System of Test Paper Composition	Wenqing Qi
250	Protect Voiceprint Template Based on Chaff Matrix	Xu Wenhua
387	A Trust-evaluation Model Based on The AHP Approach	Honglin Li
770	Distance online education system based on P2P streaming media technology	Hao Xiong
391	Dynamics of Business Ecosystems:A Case Study of Alibaba	Sihang Zhang
518	The System Dynamics Research on Information Asymmetric Control orienting Network Intermediaries	Lin Wang
848	Research on Application of the SCM communication with TCP/IP	Xianhao Miao
549	Based on factor analysis of listed power company financial profit ability analysis	Wu Qunli
578	Research on Third-party Payment in E-commerce of China	Sheng Zhou
652	Research on Fitting Model of the Human Body Based on Remote Image Feature Recognition	Ji peng
708	The Time Of Ruin For A Dual Risk Model	Ling Tang
731	A Case Research in the Role of Web 2.0 Technology in Enhancing Learning Outcomes in China	Xue Yang

Paper ID	Title	Author
733	Risk Assessment of Network Audit Based on Fuzzy Entropy Weight	Lixian Xing
765	Multimedia Courseware Design and application in Basic Dance-Composition Teaching	Li Xianyun
784	A Recommender Method Base on the Topic Description of Ant Colony Algorithm	Mingxiang He
796	Estimation of One-Parameter Exponential Family under Weighted Square Loss Based on Progressively Type-II Censoring	Guolin Zhang
844	Ideas of Average Price on Metal Futures Hedging----Empirical Analysis Based on Probit Model	Shi Zhangming
859	Research on the Critical Issues in Web-Based Workflow Management System	Qin Gao
424	Analysis on E-commerce Transaction Costs of Agricultural Products	Zhuang Yan
855	On the S3C2440-Based Design for Embedded System of Digital Photo Frame	Li Yao
730	Analysis of Rank Reversal in MCDM with Normalizing Method	Feng Kong
736	The Ratio of Supply Chain Integrated and Profit Distribution between Nodes with Production rigidity and stochastic Price	Hu Kai
789	Artistic Expression of Computer Graphics Technology in Three-Dimensional Film and Television	Xinfan Ma
743	Design Dynamic Teaching Information System Based on JSP	He Junhua
57	Studies in E-commerce customers trust source and trust impact factors	Pingping Ge
200	Status、 Problems and Solutions of rural labor transfer in Poyang Lake Ecological Economic Zone - based on Six counties'Survey data	Pan Xuhua
348	Feature Extraction of Vehicle Type Based on Wavelet and Hough Transform	Mei Shao
920	The Application of Computer Aided Design in Plane Art Design	Zhang Meng
425	Formalizing Context: An Survey	Sun Yu
436	Pornographic Pictures Detection Based on SIFT Algorithm	Chen Siqi
445	Market Mechanism Discussion on Residential Building Energy-saving in Hot summer and Cold winter Zone	Kewen Jiang
449	Design and Implementation of the Product Information Display System Based On .NET	Huiyan Li
450	The study on the Self-rated Healthcare Status of Old people in China and Its Influencing Factors	Li Yujiao
537	Optimization Study on Production Processes of Large Complex Projects	Shengping Zhang
903	Business Performance Management Framework Based on Business Intelligence Platform	Xin Tian
573	Simulation Teaching of Power Electronics	Guoqin Zhang
670	On E-commerce Operation Model Based on Cooperation of College-enterprise	Hong Ding
747	Research on Multimedia Teaching of Art Anatomy	Yin Zhaoyang
779	The Application of Distributed Cloud Storage Based on GFS	Song Tian
791	Analysis of the New Teaching Concept of Web Page Design from the Perspective of Virtual Experience	Yan Rushan
836	On the Design Teaching of Digital Media Based Visual Dissemination	Wang Min
856	Research on Reverse Logistics Strategies under E-Commerce Environment	Wang Hongliang
804	Cultivation Path of Clothing Pattern Maker with Digital Technology	Liu Yan
857	The Influence of Digital Technology on the Traditional Teaching Model of Painting in Colleges	Kong Shaobo
869	A New Suppression Method of Main Lobe Mirror-Frequency Interference for Missile-Borne Pulse Doppler Radar	Cui Zhongzheng
883	Cyclic codes over $F_q+uF_q+vF_q+uvF_q$	Xiaofang Xu
885	A Study on Graphic Designing in Three-dimensional Animation Teaching	Wang Min
246	Inevitable Trends of Development in Cloud Computing	Dai Anna
247	Analysis of Competition among Internet Companies: the Case of 3q	He Yi
887	Constant Tension Coiling Control Based on DSP	Xuejun Ma
642	Secure Bidirectional light-weight Authentication Protocol HB protocol	Jiayin Tian

Paper ID	Title	Author
666	Study on the Architecture of Intelligent Warship's Total Ship Computing Environment	He Yelan
840	Display of Financial Indicators Using Tabletop Colors of ERP Sand Tables	Liu Xianming
656	Free & Paid: Choice of Business Model in Traditional Business and Electric Business	Guoyou Zhang
884	The Development of Integrated Capability in the Education of Environmental Art Design	Qiu Yu
465	Economic Analysis of Indirect Trademark Infringement Liability in E-commerce: Using Taobao.com as an Example	Baohua Li
880	Research on Specialized Art Education of the Multimedia Art Teaching in Normal Universities	Tan Chongzheng
879	A Wavelet Transform Based Self-Adaptive Watermarking Algorithm for Color Image	Lu Lv

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

Part VI Hotel Information

Conference Hotel: *International Academic Exchange Center of HSIT*



International Academic Exchange Center of HSIT is located at No. 16 Guilin North Road in the campus of Huangshi Institute of Technology (HSIT).

Address: No.16 Guilin North Road, Huangshi, Hubei Province, China.

How to get to the hotel

10 km to Railway Station, 47 km to Coach Station.

From the Railway Station:

Take a taxi to No.16 Guilin North Road, Huangshi (fee: about RMB 50. Time: 30 minutes)

From the Long Distance Bus Station:

Take a taxi to No.16 Guilin North Road, Huangshi (fee: about RMB 25. Time: 15 minutes)

请送我到:

黄石理工学院国际学术交流中心

Please take me to:

CONFERENCE PLACE: International Academic Exchange Center of HSIT, No.16 Guilin North Road, Huangshi, Hubei Province, China

Part VII Contact Us

Contact Information

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