

2008 Annual Report
IEEE CAS Visual Signal Processing and Communications (VSPC) Technical Committee

Past Chair: Dr. Tihao Chiang, National Chiao-Tung University

Chair: Dr. Wenwu Zhu, Microsoft China R&D Group

Secretary: Prof. Yun He, Tsinghua Univ.

2008 VSPC TC meeting: 19-May-08 Monday 12:50 14:00 at Admiral room in ISCAS2008 in Seattle.

Agenda:

Approval of the agenda
 BOG & TC Chairs meeting reports
 Review the activities during the past year
 Conference Support
 New members election
 Elect new TC officers
 ISCAS 2009 promotion
 Other business
 Adjourn

Attendance:

	Name	Organization	Email
1.	Wenwu Zhu	Microsoft Research Asia	wenwuzhu@microsoft.com
2.	Chang Wen Chen	State Univ. of New York-Buffalo	chencw@buffalo.edu
3.	Huifang Sun	Mitsubishi Electronic Research Lab.	hsun@merl.com
4.	Nam Ling	Santa Clara University	nling@scu.edu
5.	Yun He	Tsinghua Univ.	hey@tsinghua.edu.cn
6.	Tihao Chiang	National Chiao-Tung University	tchiang@mail.nctu.edu.tw
7.	Kai-Kuang Ma	Nanyang Technological University	ekkma@ntu.edu.sg
8.	Ling Guan	Ryerson University	lguan@ee.ryerson.ca
9.	M.T. Sun	U. of Washington	sun@ee.washington.edu
10.	Shipeng Li	MSRA	spli@microsoft.com
11.	Gwo Giun Lee	N. Cheng Kung Univ.	clee@mail.ncku.edu.tw
12.	Chih-Hung Kuo	N. Cheng Kung Univ.	chkuo@ee.ncku.edu.tw
13.	Jian Zhang	National ICT Australia	Jian.zhang@nicta.com.au
14.	Zhengguo Li	Institute for Infocomm Research	ezgli@i2r.a-star.edu.sg
15.	Chia-Wen Lin	National Tsing hua Univ., Taiwan	cwlin@ee.nthu.edu.tw
16.	Alex Kot	Nanyang Technological University	eackot@ntu.edu.sg
17.	Oscar Au	HKUST	eeau@ust.hk
18.	Susanto Rahardja	Institute for Infocomm Research	rsusanto@i2r.a-star.edu.sg
19.	King Ng Ngan	Chinese University of Hong Kong	knngan@ee.cuhk.edu.hk
20.	Yap-Peng Tan	Nanyang Technological University	EYPTan@ntu.edu.sg
21.	Weisi Lin	Nanyang Technological University	wslin@ntu.edu.sg
22.	Mary Comer	Purdue University	comerm@purdue.edu
23.	Ce-Kuen Shieh	National Cheng-Kung Univ.	shieh@ncku.edu.tw
24.	Jiangtao Wen	Stretch Inc.	jtwen@ix.netcom.com
25.	Jianfei Cai	Nanyang Technological University	asjfcai@ntu.edu.sg
26.	Tao Xie	Marvell Semiconductor	txie@marvell.com
27.	Anthony TS Ho	University of Surrey	a.ho@surrey.ac.uk
28.	Liang-Gee Chen	National Taiwan University	lgchen@cc.ee.ntu.edu.tw
29.	Chen-Xiong (Philipp) Zhang	Huawei Technologies	pzhang@huawei.com
30.	Xiaoquan (Bill) Yi	Google Corp.	byi@google.com
31.	Kou-Hu Tzou	Quintec Corp	ktzou@ieee.org
32.	Yueh-Min Huang	National Cheng-Kung Univ.	huang@mail.ncku.edu.tw
33.	Yen-Kuang Chen	Intel Corporation	Yen-kuang.chen@intel.com
34.	Min-Jen Tsai	National Chiao Tung University	mjtsai@cc.nctu.edu.tw
35.	Tian-Sheuan Chang	National Chiao Tung University	tschang@twins.ee.nctu.edu.tw

1. Newly Elected IEEE Fellow from TC

- Ishfaq Ahmad, Ling Guan, Nam Ling, Fernando Pereira, (congratulations!)

2. Journal Editorial Support

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- IEEE T-CSVT 2006-2008 (EIC Chang Wen Chen; AE: Ishfaq Ahmad, Oscar Au, Liang-Gee Chen, Pascal Frossard, Wen Gao, Ling Guan, Zhihai He, Ebroul Izquierdo, Shipeng Li, Huifang Sun, Qibin Sun, Jar-Ferr Yang, Dapeng Oliver Wu, Wenwu Zhu);
- IEEE T-CSVT SI on Multiview Video Coding, Novt. 2007. (Yun He, Joern Ostermann, Guest Co-Editors);
- IEEE T-CSVT SI on Video Surveillance, 2007-2008, (Co-Guest Editor: Ming-Ting Sun, Ishfaq Ahmad, Zhihai He, Fernando Pereira, and Mark Liao);
- IEEE Trans. on Multimedia (Steering Committee: Anthony Vetro, AE: Susanto Rahardja, Alex Chichung Kot)
- IEEE Transaction on Multimedia, SI on “Quality-driven cross-layer design for multimedia communications”. (2008-2009), (Guest Editor: Haohong Wang)
- IEEE Trans. on Broadcasting, (AE: Lap-Pui Chau);
- IEEE T-MM (AE: Ling Guan, 2006-Present);
- IEEE SP Magazine (AE: Ling Guan, 2005-2007);
- IEEE Trans. on Circuits and Systems for Video Technology, SI on “Reconfigurable Video Coding”, (Guest Editor: Gwo Giun Lee);
- Advances in Multimedia <<http://www.hindawi.com/GetJournal.aspx?journal=AM>> , July 2006 – present, (Editor-in-Chief : Dapeng Oliver Wu)
- IEEE Transactions on Audio, Speech and Language Processing, (AE: Susanto Rahardja, April 2007 – Current)
- IEEE Multimedia Magazine (Member of Editorial Board: Qibin Sun)
- IEEE CAS Newsletter, (AE: Alex Chichung Kot)
- IEEE Communications Magazine, SI on “Advances in visual content analysis and adaptation for multimedia communications”, (2007), (Guest Editor: Haohong Wang)
- IEEE TMM and Journal of Parallel and Distributed Computing, (AE: Ishfaq Ahmad)
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- Journal of Visual Communication and Image Representation (EIC: C.-C. Jay Kuo, 1997-Present; AE: Wen Gao, Zhihai He, Yun He, Shipeng Li, Chia-Wen Lin, Ching-Yung Lin, David Lin, Kai-Kuang Ma, King N. Hgan, Susanto Rahardja)
- Special Issue on High Dynamic Range Imaging, Journal of Visual Communications and Image Representation, Volume 18, Issue 5, Pages 357-452, October 2007 (Co-guest editor: Guoping Qiu)
- Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology (AE: Tsuhan Chen , Ling Guan, Yun He, Wan-Chi Siu, Ming Ting Sun, Y.Q. Zhang)
- Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology, SI on “Hardware Implementation of Video Codec”, 2007, (Yun He, Liang-Gee Chen, Guest Co-Editors);
- Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology, SI on "Audio-Visual Signal Processing for Intelligent Security Systems", 2007, (Co-Guest Editor: Yap-Peng Tan);
- EURASIP Journal on Image and Video Processing (AE: Ling Guan, 2007-Present, Yap-Peng Tan);
- EURASIP Journal on Image and Video Processing SI on “Distributed Video Coding”, 2008, (Co-Guest Editor: Anthony Vetro,);
- EURASIP Journal on Information Security (Member of Editorial Board: Qibin Sun)
- EURASIP Journal on Advances in Signal Processing (AE: Yap-Peng Tan)
- EURASIP Journal Applied Signal Processing SI on “Video Adaptation for Heterogeneous Environments”, 2007, (Co-Guest Editors: Ming-ting Sun, Anthony Vetro, Chia-Wen Lin, Yap-Peng Tan);
- Journal of Visual Communication and Image Representation SI on “Resource-Aware Adaptive Video Streaming”, 2008 (Chia-Wen Lin, Enrico Magli, Pascal Frossard, Deepak Turaga, Co-Guest Editors);
- Research Letters in Signal Processing, (AE: Ling Guan, 2007-Present);
- LNCS Transactions on Data Hiding and Multimedia Security (EIC: Yun Q. Shi, Member of Editorial Board: Qibin Sun)
- Advances in Signal Processing, (AE: Alex Chichung Kot)
- Signal Processing Magazine, (AE: Alex Chichung Kot)
- Journal of Computer Systems, Networks, and Communications, (AE: Haohong Wang)
- Advances in Multimedia (AE: Yap-Peng Tan)
- Advances in Multimedia, SI on “Cross-layer optimized multimedia communications”, (2007), (Guest Editor: Haohong Wang)
- Multidimensional Systems and Signal Processing, (AE: Yun Q. Shi)
- Editorial Board member, Journal of Multimedia (Oscar Au)
- Editorial Board member, Journal of the Franklin Institute (Oscar Au)
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3. International Conferences Support

The committee would like to thank Prof. *Yun He* and Prof. *Yap-Peng Tan* for their Track co-Chair works in this year's ISCAS 2008. The committee also would like to thank the following committee members very much for their kind support in paper review process and session chairs for the ISCAS 2008 conferences!

1	Ishfaq Ahmad	University of Texas at Arlington
2	Oscar Au	Hongkong University of Science and Technology
3	Lap-Pui Chau	Nanyang Technological University
4	Liang-gee Chen	National Taiwan University
5	Zhibo Chen	Thomson R&D Center
6	Pascal Frossard	Ecole Polytechnique Federale de Lausanne
7	Ling Guan	Ryerson University
8	Hsueh-Ming Hang	National Chiao-Tung University
9	Zhihai (Henry) He	University of Missouri
10	Yun He	Tsinghua University, Beijing
11	Anthony TS Ho	University of Surrey, UK
12	Ebroul Izquierdo	University of London
13	Alex Kot	Nanyang Technological University
14	C. C. Jay Kuo	University of Southern California
15	Gwo Giun Lee	National Cheng Kung University
16	Shipeng Li	Microsoft Asia
17	Zhengguo Li	Institute for Infocomm Research
18	Chia-Wen Lin,	Dept. EE, National Tsing Hua univervisty, Hisnchu, Taiwan
19	Nam Ling	Santa Clara University
20	Jianhua Lu	Tsinghua University, Beijing
21	Kai-Kuang Ma	Nanyang Technoligical University
22	Enrico Magli	Politecnico di Torino, Turin, Italy
23	King N. Ngan	Chinese University
24	Fernando Pereira	Instituto Superior Técnico, Lisboa, Portugal
25	Guoping Qiu	University of Nottingham
26	Susanto Rahardja	Institute for Infocomm Research
27	Wan-Chi Siu	The Hong Kong Polytechnic University
28	Qibin Sun	Institute for Infocomm Research (I2R), Singapore
29	Yap-Peng Tan	Nanyang Technological University
30	Jhing-Fa Wang	National Cheng Kung University
31	Haohong Wang	Marvell Semiconductors
32	Feng Wu	Microsoft Asia
33	Lu Yu	Zhejiang University, Hangzhou
34	Bing Zeng	Hong Kong University of Science and Technologies
35	Wenwu Zhu	Microosft China R&D Group
36	Zhiyuan Yan	Lehigh University
37	Vitali Zagorodnov	Nanyang Technological University, Singapore
38	Weisi Lin	Nanyang Technological University, Singapore
39	Shao-Yi Chien	National Taiwan University, Taiwan, ROC

The committee members have supported and/or will support the following international conferences.

- ISCAS 2007, New Orleans, USA, 26 - 30 May, 2007, (Technical Program Co-Chair: Nam Ling , Track Co-chairs for Circuits and Systems for Communications: Lap-Pui Chau);
- ICME 2007 (General Co-Chair, Wen Gao, International Advisory Board: Ming-ting Sun, Steering Committee: Anthony Vetro, Technical Program Chair: Yun Q. Shi, Joern Ostermann, Tutorial Session Co-Chair: Ming-ting Sun, Track chair: Qibin Sun, Committee: Shipeng Li, Ming-Ting Sun, Oscar Au, Yun He, Feng Wu; Peter Pirsch, Chang-Wen Chen, Liang-Gee Chen, T. Sikora, Ming-Ting Sun, Ya-Qin Zhang,);
- ICME 2008 (General Chair, Joern Ostermann, Steering Committee: Anthony Vetro, Technical Program Chair: Susanto Rahardja, Special session chair: Gwo Giun Lee, Publicity Chair: Yun He; TPC member: Oscar Au));
- PCS 2007 (General Chair: Fernando Pereira, International Steering Committee: Tsuhan Chen, Chang Wen Chen, Pascal Frossard, Yun He, Aggelos K. Katsaggelos, Shipeng Li, Joern Ostermann, Thomas Sikora, TPC member: Oscar Au);
- VCIP 2007 (Conference Chair: Chang Wen Chen, Program Committee: Alex C. Kot, C.-C. J. Kuo, Shipeng Li, Huifang Sun, Ming-Ting Sun, Anthony Vetro)
- ICASSP 2007 (Kai-Kuang Ma)
- MMSP 2006-2007 (Ling Guan, Anthony Vetro, Yun He, C. C. J Kuo, Shipeng Li, Fernando Pereira)
- MMSP 2008 (TPC Co-Chair : Ling Guan, Anthony Vetro, Yun He, Fernando Pereira);
- ICC 2008 (Wenwu, Panel Chair, Cooperative Communication and Collaborative Computing)
- PV 2007, Packet Video 07, Lausanne, (General Chair: Pascal Frossard, Technical Program Committee: Tsuhan Chen, Shipeng Li, Qian Zhang);
- SiPS 2007 (General Co-chairs: Chang Wen Chen, Technical Program Co-Chairs: Xiaokang Yang, Nam Ling, Technical Program Committee: Liang-Gee Chen, Yun He, Zhengguo Li, Ching-Yung Lin, Kai-Kuang Ma, Susanto Rahardja);
- IMAP 2007, First International Workshop on Multimedia Analysis and Processing (Workshop Co-Chairs, Chia-Wen Lin and Haohong Wang, Program Co-Chairs: Qibin Sun and Enrico Magli);
- IWDW07, International Workshop on Digital Watermarking 2007, (Co-Chair of TPC: Yun-Qing Shi)
- 1st ACM SIGMM Workshop on Mobile Video, in conjunction with ACM Multimedia 2007, September 28, 2007, University of Augsburg, Germany, (Changwen Chen);
- ACM Multimedia 2007 (Panel Co-Chair: Yap-Peng Tan);
- VCIP 2008, (Program Committee: Ming-Ting Sun, Anthony Vetro);
- 1st ACM Workshop on Mobile Video, September 2007, Germany, (Technical Program committee: Ming-Ting Sun);
- The First International Workshop on Advanced Searching On Voice, Video, and Speech Contents, VVSSearch 2007, (International Program Committee: Ming-ting Sun, Chia-Wen Lin);
- Asia-Pacific Workshop on Visual Information Processing, Dec. 17-18, 2007, (Advisor Committee: Ming-Ting Sun);
- PCM 2007 (Pacific rim Conference on Multimedia), Hong Kong, Dec. 11-14, 2007, (Program Co-Chair: Ming-ting Sun, Nam Ling; Track chair: Lap-Pui Chau; TPC Member: Haohong Wang, Co-Chair of Multimedia Security Rights and Management Track: Oscar Au)
- IIHMS 07, International Conference on Intelligent Information Hiding and Multimedia Signal Processing, Nov. 26-28, 2007, (Program Committee: Ming-Ting Sun);
- SiPS2007, IEEE 2007 Workshop on Signal Processing Systems, Shanghai, October 17-19, 2007, (International Advisor Committee: Ming-Ting Sun);
- ICICS 2007, International Conference on Information, Communication and Signal Processing, Singapore, December 10-13, 2007, Track Chair: Lap-Pui Chau, Tutorial Co-chair: Lap-Pui Chau, Adviser: Yap-Peng Tan);
- ICIEA 2007 (Technical Co-Chair: Financial Chair, Zhengguo Li).
- CCDC 2008. (Technical Co-Chair: Zhengguo Li)
- ICARCV 2008 (Technical Co-Chair: Zhengguo Li)
- ACM CIVR 2008, July 2008, Canada (General Co-Chair, Ling Guan)
- IEEE TENCON 2007, Taipei, October 30- November 2, 2007, (System-on-Chip Track Technical Program Committee member: Gwo Giun Lee)
- VISUAL2007, 9th International Conference on Visual Information Systems, 28-29 June 2007, Shanghai, China (Technical Program Co-Chair: Guoping Qiu)
- ICCE 2008 (Technical Program Committee Member: Nam Ling)
- ICCSC 2008 (Technical Program Committee Member: Nam Ling)
- SCVT 2007 (Advisory Program Committee Member: Nam Ling)

- ICIP2007 (Area Chair: Qibin Sun; TPC member: Haohong Wang, One Tutorial Provider: Yun Q. Shi, TPC member: Oscar Au)
- ICIP2008 (TPC member: Haohong Wang)
- VIE 2008, (General Chair: Ebroul Izquierdo)
- CBIM 2008, (General Chair: Ebroul Izquierdo)
- IEEE GLOBECOM 2010, 53rd IEEE Global Communications Conference, Miami, Dec. 2010, (Technical Program Co-Chair: Haohong Wang)
- Globecom 2007, (TPC Member: Haohong Wang)
- IEEE ICCCN'09, Eighteenth International Conference on Computer Communications and Networks, San Francisco, Aug. 2009, (Executive Committee Chair: Haohong Wang)
- IEEE ICCCN'08, Seventeenth International Conference on Computer Communications and Networks, US Virgin Island, Aug. 2008, (General Chair: Haohong Wang)
- IEEE ICCCN'07, Sixteenth International Conference on Computer Communications and Networks, Hawaii, Oct. 2007, (Technical Program Chair: Haohong Wang)
- CCNC 2008, (TPC Member: Haohong Wang)
- VTC 2007, (TPC Member: Haohong Wang)
- WCNC 2007, (TPC Member: Haohong Wang)
- General Co-Chair, 2007 Pacific-rim Conference on Multimedia (PCM 2007) (Oscar Au)
- International Technical Committee Co-Chair, 2008 IEEE International Conference on Audio, Language and Image Processing (ICALIP 2008) (Oscar Au)
- Publication Chair, 2008 International Conference on Multimedia and Expo (ICME 2008) (Oscar Au)
- 2008 IEEE Asia Pacific Conference on Circuits and Systems (APCCAS'08), Chair of Multimedia Systems and Applications Track (Oscar Au)
- 2008 IEEE International Conference on Image Processing (ICIP 2008) (TPC member: Oscar Au)
- 2008 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2008) (TPC member: Oscar Au)
- 2008 IEEE Consumer and Communications Networking Conference (CCNC 2008) (TPC member: Oscar Au)
- 2008 IEEE International Conference on Audio, Language and Image Processing (ICALIP 2008) (TPC member: Oscar Au)
- 2008 IEEE International Conference on Communications, Circuits and Systems (ICCCAS 2008) (TPC member: Oscar Au)
- 2008 IEEE International Conference on Signal Processing and Multimedia Applications (SIGMAP 2008) (TPC member: Oscar Au)
- 2008 SPIE Conference on Security, Steganography and Watermarking of Multimedia Contents (part of EI 2008) (TPC member: Oscar Au).
- 2008 IASTED International Conference on Signal and Image Processing (SIP 2008) (TPC member: Oscar Au)
- 2008 IASTED International Conference on Signal Processing, Pattern Recognition, and Applications (SPPRA 2008) (TPC member: Oscar Au)
- 2008 IET International Conference on Visual Information Engineering (VIE 2008) (TPC member: Oscar Au)
- 2007 European Conference on Circuit Theory and Design (ECCTD 2007) (TPC member: Oscar Au)
- 2007 Hong Kong International Computer Conference (HKICC 2007) (TPC member: Oscar Au)
- 2007 IEEE International Conference on Communications, Circuits and Systems (ICCCAS 2007) (TPC member: Oscar Au)
- 2007 International Workshop on Digital Watermarking (IWDW 2007) (TPC member: Oscar Au)
- 2007 1st ACM Workshop on Mobile Video (MV 2007) (TPC member: Oscar Au)
- 2007 Pacific-rim Symposium on Image and Video Technology (PSIVT 2007) (TPC member: Oscar Au)
- 2007 IEEE International Conference on Signal Processing and Multimedia Applications (SIGMAP 2007) (TPC member: Oscar Au)
- 2007 IEEE Workshop on Signal Processing Systems (SiPS 2007) (TPC member: Oscar Au)
- 2007 IEEE Region 10 Conference (TENCON2007) (TPC member: Oscar Au)
- Technical Co-Chair, International Workshop for Digital Watermarking (IWDW08), Korea, November, 2008 (Anthony TS Ho)
- Technical Committee Member, IEEE International Symposium on Geoscience and Remote Sensing (IGARSS), 2008, Boston, USA, July 6-11 2008 (Anthony TS Ho)
- Publicity Co-Chair, IEEE Third International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP08), Harbin, China, 15-17 August 2008 (Anthony TS Ho)
- Co-Chair, Invited Special Session on Multimedia Forensics and Security, IEEE International Symposium on Circuits and Systems (ISCAS'08), Seattle, USA, 18-21 May 2008 (Anthony TS Ho)
- Technical Program Committee Member, IET Visual Information Engineering 2008, Xi'an, China, July 29 - August 1, 2008 (Anthony TS Ho)

- Technical Committee Member, ACM First International Conference on Forensics Applications and Techniques in Telecommunications, Information and Multimedia, e-Forensics 2008, Adelaide, Australia, 21-23 January 2008 (Anthony TS Ho)
- Technical Program Committee Member. IEEE Sixth International Workshop on Content-Based Multimedia Indexing (CMBI), 18-20 June 2008, London (Anthony TS Ho)
- Program Committee Co-Chair, IEEE Third International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP07), Kaohsiung, Taiwan, 26-28 November 2007 (Anthony TS Ho)
- Co-Editor, IEEE Third International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP07), Kaohsiung, Taiwan, 26-28 November 2007 (Anthony TS Ho)
- Technical Program Committee Member, International Workshop for Digital Watermarking, IWDW2007, Guangzhou, China, 21-23 November 2007 (Anthony TS Ho)
- Invited Session Organizer - Digital Watermarking and Multimedia Security and International Program Committee Member, IEEE ICICIC-2007, Kumamoto, Japan, 5-7 September 2007 (Anthony TS Ho)
- Technical Program Committee Member, IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS) 2007, London, 5-7 September 2007 (Anthony TS Ho)
- Technical Program Committee Member, International Workshop on Data Hiding for Information and Multimedia Security, in conjunction with IEEE IAS 2007, Manchester, 29-31 August 2007 (Anthony TS Ho)

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4. Invited Lectures and Other IEEE Leadership

- DLP: with VSPC TC support, Huifang Sun is elected as Distinguished Lecturer (DL) in the DL Program of the IEEE Circuits and Systems Society, congratulations!
- Keynote Speaker for APCCAS'2008 (IEEE Asia-Pacific Conference on Circuits and Systems) (Keynote Speaker: Nam Ling).
- Distinguished Lecturer from VSPC TC (2007 – 2008) (Distinguished Lecturer: Nam Ling – 4 DL lectures delivered so far: Vancouver/Victoria CAS Section, Delhi CAS Section, Singapore CAS Section, Santa Clara Valley CAS Section).
- Other Invited Lectures (Nam Ling – delivered 3 other invited lectures in Shenzhen and Singapore in 2007 – 2008 so far).
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- 2007 Hong Kong SMPTE DTT Transmission Training Workshop (invited talk, Oscar Au)
- 2007 Hong Kong SMPTE Annual Symposium on Digital Cinema (invited talk, Oscar Au)
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- TC Circuits and Systems for Communications (TC Chair: Nam Ling)
- IEEE Trans. On Mobile Computing (Wenwu Zhu, Steering Committing Member from CASS)
- CAS representative, Steering Committee of IEEE Int. Conference on Multimedia and Expo (ICME) (Oscar Au)
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5. New committee members proved on 2007 New Orleans 2007 TC meeting

Enrico Magli	Politecnico di Torino, Turin, Italy
Qibin Sun	Institute for Infocomm Research (I2R), Singapore
Lu Yu	Zhejiang University, Hangzhou
Marco Mattavelli	EPFL
Chih-Hung Kuo	National Cheng Kung University, Tainan, Taiwa
Fernando Pereira	Instituto Superior Técnico, Lisboa, Portugal
Anthony TS Ho	University of Surrey, UK
Jun Xin	Mitsubishi Electric Research Laboratories (MERL), Cambridge, MA

6. The committee is considering new members in the coming TC meeting in ISCAS08.

	Nominee	Affiliation	Nominator
1	Weisi Lin	Nanyang Technological University	Ming-Ting Sun

2	Xiaoquan (Bill) Yi	Google Inc.	Nam Ling
3	Yen-Kuang Chen	Intel Corporation	Wenwu Zhu
4	Chen-Xiong (Philipp) Zhang	Hisilicon/Huawei Technologies	Nam Ling
5	Tao Xie	Marvell Semiconductor Inc	Yun He
6.	Cai Jianfei	Nanyang Technological University	Chia-Wen Lin
7.	Mary Comer	Purdue University	Yun He
8.	Yueh-Min Huang	National Cheng-Kung Univ.	Liang-Gee Chen
9.	Min-Jen Tsai	National Chiao Tung University	Tihao Chiang
10.	Ce-Kuen Shieh	National Cheng-Kung Univ.	Liang-Gee Chen
11.	Jiang Tao Wen	Stretch Inc.	Huifang Sun
12.	Tian-Sheuan Chang	National Chiao Tung University	Tihao Chiang
13.	Xiaoou Tang	Microsoft Research Asia	Changwen Chen

1). Weisi Lin, nominated by Ming-Ting Sun

Weisi Lin graduated from Zhongshan University, China with B.Sc in Electronics and M.Sc in Digital Signal Processing in 1982 and 1985, respectively, and from King's College, London University, UK with Ph.D in Computer Vision in 1992. He taught and researched in Zhongshan University, Shantou University (China), Bath University (UK), National University of Singapore, Institute of Microelectronics (Singapore), and Centre for Signal Processing (Singapore). He has been the project leader of 12 successfully-delivered projects (mostly for industries) in digital multimedia technology development. He filed 10 patents, wrote 4 book chapters, edited 1 book, published over 130 papers in referred journals and international conferences, and made ten submissions to international standards. He also served as the Lab Head, Visual Processing, and then the Acting Department Manager, Media Processing, in Institute for Infocomm Research (Singapore). Currently, he is an Associate Professor in School of Computer Engineering, Nanyang Technological University, Singapore. His areas of expertise include image processing, perceptual modeling, video and audio compression, multimedia communication, computer vision, and embedded/parallel systems.

Weisi Lin is a senior member of IEEE and a Chartered Engineer (UK). He has served in the technical-program committee for many international conferences (incl. ISCAS07-08, ICCCN08, ICIP04, MMM07-08, PCM05-07), a track chair for PCM03, the Publication Chair for SiPS2007, and is the General Chair for the coming 2nd IEEE International Workshop on Multimedia Analysis and Processing. In the area of perceptual visual evaluation, he co-chaired the special sessions in ICME06 and IMAP07, and gave an invited talk in the 2nd International Workshop on Video Processing and Quality Metrics and a keynote speech at the 16th IEEE Int'l Conf on Computer Communications and Networks. He was invited to deliver tutorials in PCM07 and ISCAS08. He also reviewed regularly for IEEE T-IP, T-CSVT, T-MM, J-ASC and Multimedia.

2). Xiaoquan (Bill) Yi, nominated by Nam Ling

Dr. Xiaoquan (Bill) Yi received a B.A. degree from the Hunan University of Science and Technology in 1993 in China. He received M.S. and Ph.D. degrees from Santa Clara University in 2001 and 2005, respectively, both in Computer Engineering. Dr. Yi is currently a research engineer with Google Inc. at Mountain View, California. He is one of the key contributors for Google Video transcoding service which is used by Youtube, Google Picasa, and Google Blogger. Prior his Ph.D. study, he worked for Cisco Systems Inc., San Jose, California in 2000 and 2001. He was a teaching assistant during his Ph.D. study. During 2005, he was an Engineering Intern at Google Video Research Lab, Mountain View, CA, where he contributed to the encoding algorithm which was used for Google Video products. His research interests include video compression, communication, and content analysis. Dr. Yi has 5 journal and 11 conference publications (most with him as first authors). Dr. Yi was a Session Chair, Hardware and Efficient Video Codec for H.264 & AVS (lecture session), IEEE International Symposium on Circuits and Systems (ISCAS) 2007. He served

as a Technical Program Committee Member, IEEE International Conference on Consumer Electronics (ICCE), 2007 and 2008. His proposal on simplified fast motion estimation (SFME) method was adopted in 2005, and his context adaptive Lagrange multiplier (CALM) method was adopted in 2006, both into the H.264/MPEG-4 AVC video coding international standard. He is a member of Sigma Xi and IEEE.

3). Yen-Kuang Chen, nominated by Wenwu Zhu

Yen-Kuang Chen, Ph.D.
Principal Engineer
Corporate Technology Group
Intel Corporation
yen-kuang.chen@intel.com

Mission statement: To bridge the gap between algorithm and architecture designs for the long term development of future computer and visual signal processing & communication systems. The increasing architectural complexity and application sophistication make it essential to have an inter-discipline research between algorithm and hardware designs. Currently, he is trying to bring the awareness of the trends and the challenges of many core eras to the signal processing society. In ICME 2006, 2007, and 2008, he organized the special sessions on "Processors and Multimedia," "Multi-Core Enabled Multimedia Applications and Standards," and "Multimedia Signal Processing on Graphics Processors with Hundreds of Cores." In ICASSP 2007, ICME 2007, and ICASSP 2008, he gave tutorials on "Multimedia Signal Processing on Personal Computers" and "Multimedia Signal Processing on Processors with Many Cores."

Experience and research areas: 10 years of industrial research experience. He has been a research scientist in the Corporate Technology Group at Intel Corporation, after he received his Ph.D. degree from Princeton University in 1998. His research includes developing innovative multimedia applications, studying the performance bottleneck in current computers, and designing next-generation microprocessor/platform. His current focus is analyzing the emerging multimedia applications and providing inputs to the definition of the next-generation CPUs and GPUs with many cores.

Publications, inventions, and product impacts: 75+ publications, including 2 book chapters and 15 journal papers in areas of emerging multimedia applications, video compression and processing, and algorithm-architecture co-design in multimedia computing. 15 granted patents and 23 pending patent applications. He is a key contributor to Intel's software library for MPEG video processing and advanced applications, which was licensed and distributed worldwide. He is also one of the key contributors to Supplemental Streaming SIMD Extension 3 in Intel® Core™ 2 Duo processor family and Advanced Vector Extension in the next-generation processors.

Professional society activities: Program committee member of 20+ international conferences on VLSI Circuits and Systems, Parallel Processing, Electro/Information Technology, Embedded Software Optimization, Multimedia & Expo, Multimedia Storage and Archiving Systems, Visual Communications and Image Processing, Signal and Image Processing, Internet and Multimedia Systems and Applications, Smart Living Space, and so on. Associate editor of Journal on Signal Processing, IEEE Transactions on Circuit and Systems I, and IEEE Transactions on Circuit and Systems for Video Technology. In particular, editor of special issues on System-on-a-Chip (SoC) for Multimedia Systems, Design and Programming of Signal Processors for Multimedia Communication, and Multi-Core Enabled Multimedia Applications and Architecture. Technical committee member on Multimedia Signal Processing, IEEE Signal Processing Society. Chairman of two MPEG ad hoc groups on watermarking and intellectual property protection in 1999 and 2000.

Honors: Invited participant to 2002 Frontiers of Engineering Symposium (National Academy of Engineering) and to 2003 German-American Frontiers of Engineering Symposium (Alexander von Humboldt Foundation). Best Paper Award from International Conference on Very Large Data Bases in 2005. Intel Microprocessor Technology Labs Division Recognition Awards in 1999, 2002, 2003, 2005, and 2007. Intel Desktop Platforms Group Division Recognition Award in 2000.

4). Chen-Xiong (Philipp) Zhang, nominated by Nam Ling

Dr. Chen-Xiong (Philipp) Zhang
Chief Scientist

Hisilicon/Huawei Technologies
e-mail: pzhang@huawei.com
Phone: (972) 816-6538

Chen-Xiong (Philipp) Zhang was born in Shanghai, China. He received the B.S. degree in electrical engineering from Shanghai Jiao-Tong University, China, and the M.S. and Ph.D. degrees in electrical engineering from the University of Karlsruhe, Germany.

In 1983, he joined the Institute for Theoretical Electrical Engineering at the University of Karlsruhe, where he was involved in teaching and research activities in VLSI layout and circuit design, and high-speed analog and digital mixed chip design. From 1991 to 1995, he was with the Microelectronic Center, Hamburg, Germany, where he was involved in research and development of ATM broadband networks and ASIC design for telecom application. He was involved in the R&D of Advanced Communication technologies in Europe (RACE) project. In 1995 he transferred to Interphase Corp., Dallas, TX. He was Technical Director and responsible for the development of chipsets for B-ISDN/ATM/optical communication systems. After then he has worked in a couple of start-up high-tech companies as CTO or CEO: SCom, CEC, and iCom Technologies. In these companies, he was responsible for the strategic technical directions for the companies and R&D management in the area circuit design and ASIC/SoC/RF chips for digital TV/video, wireless networks and broadband communication. In 2005, he joined Hisilicon/Huawei Technologies as Chief Scientist and is currently in charge of corporate research programs/projects.

Dr. Zhang holds a number of German patents on high speed circuits. He is the author of the book VLSI Placement with Neural Learning Algorithms (Duesseldorf, Germany: VDI-Verlag, 1992), and the coauthor of the book Routing, Placement, and Partitioning (Norwood, NJ: Ablex, 1994). He is the author of chapters in two books, Applications of Neural Networks to Telecommunications (Holmdel, NJ: AT&T, 1993) and Access to B-ISDN via PON's—ATM Communications in Practice (London: Wiley, 1996). He has many published technical papers.

Dr. Zhang has actively been involved in the industry standard bodies and made significant contribution. He was Chairman of I2O SIG standard organization, ambassador of ATM Forum, and organizer of APON WG. He acted as a consultant to national top companies in Malaysia.

Dr. Zhang served as the Session Chair of the 1993 IEEE ISCAS. He received two RACE Awards from the European Union RACE program commissioner for “extraordinary contribution and outstanding application/demonstration” in 1995. He also received the Best Paper Award at the 1991 IEEE IJCNN in Singapore, and an Outstanding Research Activity Award from the state of Baden-Wuerttemberg, Germany.

5). Tao Xi, nominated by Yun He

EXPERIENCE

Director, Embedded Systems Apr. 06 – Current
Marvell Semiconductor Inc., Santa Clara, CA
Lead the software development of Marvell high definition video system solutions, including Blu-ray, DTV & IPTV

Chief Architect Dec. 04 – Apr. 06
Onewave Inc., Santa Clara, CA

Led the development of Onewave IPTV solution
Director of Engineering, Videophone May 00 – Dec.04

ESS Technology Inc. / Vilata Inc. (ESS subsidiary), Fremont, CA
Lead the development of H.323 Videophone-over-IP embedded system
Lead the development of H.323 Gatekeeper server
Lead the development of SIP Videophone-over-IP
Led the development and production of H.324 Videophone embedded system
Led the prototype development of DVD /Videophone/Browser Combo system, VCD/Videophone combo system and TV/DVD combo system
Led the development and production of Vialta Digital Picture Frame

Software Engineer Oct.98 – May 00 ESS / Vialta
Development of the H.324 Videophone embedded system:

Academic Experience
91 – 98

Tsinghua Univ., Beijing, China / RA, Tsinghua Univ.
Research on layered video coding scheme, w/ couple of innovative contributions:
Algorithm improvement and DSP implementation of a 4.8kbps CELP speech codec

Designed and implemented a PC based H.324 compatible videophone system (Co-op project)
Designed and implemented (on TI C50) a FEC scheme for speech codec in error-prone channels, utilizing convolution coding and Viterbi decoding with soft-decision

EDUCATION

Ph.D. in Electrical Engineering, Tsinghua Univ., Beijing, China 93-98
BS in Electrical Engineering, Tsinghua Univ., Beijing, China 88-93

6). Cai Jianfei, nominated by Chia-Wen Lin

Cai Jianfei, PhD, Associate Prof., School of Computer Engineering, Nanyang Technological University, Singapore, 639798. Phone: 65-67906150 (office); Email: asjfc@ntu.edu.sg

Education:

Ph.D, Electrical Engineering, University of Missouri-Columbia, USA, 2002.
M.Eng. Electrical Engineering, Southeast University, China, 1997.
B.Eng. Electrical Engineering, Nanjing University of Aeronautics & Astronautics, China, 1994.

Professional Activities

-Associate Editor, IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT)
-Program Co-chair, Multimedia Modeling 2007 (MMM'07)
-Conference Co-chair, Multimedia on Mobile Devices 2007
-Track Co-Chair of Wireless and Mobile Multimedia in IEEE ICME'06

Experience

-Nanyang Technological University (NTU), Associate Prof., 04/2008-present
-Nanyang Technological University (NTU), Assistant Prof., 07/2002-03/2008
-Chinese University of Hong Kong, United College Fellow, 2006, 2007
-Sarnoff Corporation, Intern/Research Consultant, 02/2001-09/2001
-Microsoft Research China, Summer Intern, 05/2000-07/2000
-Phillips Research Center in USA, Summer Intern, 05/1998-08/1998

7). Mary Comer, nominated by Yun He

Mary Comer received the PhD degree in electrical engineering from Purdue University in 1995. For the next 10 years she worked in Corporate Research at Thomson in Carmel, Indiana. While at Thomson she worked on video coding and video processing for entertainment video applications, including high-definition DVD, Internet video, satellite television, and security and surveillance video. Since August 2005, Dr. Comer has been an Assistant Professor in the Department of Electrical and Computer Engineering at Purdue. Her main research areas at Purdue are video coding and medical imaging.

8). Yueh-Min Huang, nominated by Liang-Gee Chen

Yueh-Min Huang is a Distinguished Professor and Chairman of the Department of Engineering Science, National Cheng-Kung University, Taiwan, R.O.C. His research interests include multimedia communications, wireless networks, embedded systems, and artificial intelligence. He received his MS and Ph.D. degrees in Electrical Engineering from the University of Arizona in 1988 and 1991 respectively. He has co-authored 2 books and has published about 200 refereed professional research papers. He has completed 13 Ph.D. and over 100 MSES thesis students. Dr. Huang has received many research awards, such as the Best Paper Award of 2007 IEA/AIE Conference, Best Paper Award of the Computer Society of the Republic of China in 2003, the Awards of Acer Long-Term Prize in 1996, 1998, and 1999, Excellent Research Awards of National Microcomputer and Communication Contests in 2006. He also received many funded research grants from National Science Council, Ministry of Education, Industrial Technology Research Institute, and Institute of Information Industry. Dr. Huang has been invited to give talks or served frequently in the program committee at national and international conferences. Dr. Huang is in the editorial board of the Journal of Wireless Communications and Mobile Computing, the Journal of Internet Technology, International Journal of Internet Protocol Technology, International Journal of Ad Hoc and Ubiquitous Computing, Journal of Security and Communication Networks and serves as an associate editor for Journal of Computer Systems,

Networks, and Communications as well as International Journal of Communication Systems. He was the technical program chair of Symposium on Digital Life Technologies (SDLT2007) and general chair in 2008. He was the general chair of VIP2007. He is organizing the PCM2008 and ICST2008. Dr. Huang is a member of the IEEE as well as IEEE Circuits and Systems, Communication, Computer, and Computational Intelligence societies.

9). Min-Jen Tsai, nominated by Tihao Chiang

Min-Jen Tsai received his BS degree in electrical engineering from National Taiwan University in 1987, his MS degree in industrial engineering and operations research from University of California at Berkeley in 1991, and his engineer and PhD degrees in electrical engineering from University of California at Los Angeles in 1993 and 1996, respectively. From 1996 to 1997, he was a senior researcher at America Online, Incorporated. In 1997, he joined the Institute of Information Management at National Chiao Tung University in Taiwan, and is currently an associate professor. His research interests include multimedia systems and applications, digital rights management, digital watermarking and authentication, digital forensics, and enterprise computing for electronic commerce applications. He is a member of IEEE, ACM and Eta Kappa Nu.

10). Ce-Kuen Shieh, nominated by Liang-Gee Chen

Prof. Ce-Kuen Shieh obtained B.S. degree in electrical engineering from National Cheng-Kung University, Tainan, Taiwan in 1977. He earned his Ph.D. degree in electrical engineering from the same university in 1988. He joined the faculty in EE Department at National Cheng-Kung University from 1983, and was promoted to Full Professor in 1998. He ever visited Bell Laboratory U.S.A as a Post Member of Technical Staff (PMTS) during 1989-1990. He was also a leader of network group in Computer Center of National Cheng-Kung University during 1997 - 1999. Since 2001, he has been invited to be a consultant of National Center of High Performance Computer in Taiwan and acted as the Chairman of Committee for the Establishment of TWAREN (Taiwan Advanced Research and Education Network). He had chaired the Department of Electrical Engineering, National Cheng-Kung University during 2002 - 2005. Currently, he serves as the Director of Computer and Network Center, National Cheng-Kung University and the Editor of Information Engineering Subject, Journal of the Chinese Institute of Engineers. He served as the General Co-Chair of the 12th Compiler Techniques for High Performance Computing in 2006 and the Technical Program Committee in several international conferences, such as The IEEE ICC 2006 Wireless and Ad-Hoc and Sensor Networks Symposium and The 2006 IFIP International Conference on Embedded And Ubiquitous Computing. He has published more than 30 journals and 90 conference papers. His current research interests include multimedia steaming systems, wireless networking and distributed and parallel processing systems.

11). Jiang Tao Wen, nominated by Huifang Sun

Dr. Jiangtao (Gene) Wen is the Director of Video Codec Technology at Mobilygen Corp, a venture funded fabless semiconductor company based in Santa Clara, CA, where he is playing an instrumental role in the development of the industry's lowest power consuming SD and HD H.264 codec solutions. Prior to joining Mobilygen, Dr. Wen worked as the CTO of Morphbius Technology Inc. and the Principal Scientist of PacketVideo Corp. Dr. Wen is a world-renowned expert in multimedia communication over hostile networks, video coding and communications. He has authored many widely referenced papers in related fields. Products deploying technologies that Dr. Wen developed are currently used by over 20 million customers worldwide. Dr. Wen is a Senior Member of IEEE and holds 7 granted US patents with numerous others pending

12). Tian-Sheuan Chang, nominated by Tihao Chiang

Tian-Sheuan Chang received the B.S., M.S. and Ph.D. degrees in electronics engineering from National Chiao-Tung University in 1993, 1995, and 1999, Taiwan. He is currently an assistant professor in electronics engineering at National Chiao-Tung University. During 2000 to 2004, he was a principle engineer in Global Unichip Corp, Taiwan. His research interest includes VLSI design, digital signal processing and computer architecture.

13). Xiaoou Tang, nominated by Changwen Chen

Xiaoou Tang (S'93-M'96-SM'02) received the B.S. degree from the University of Science and Technology of China, Hefei, in 1990, and the M.S. degree from the University of Rochester, Rochester, NY, in 1991. He received the Ph.D. degree from the Massachusetts Institute of Technology, Cambridge, in 1996. He is a professor in the Department of Information Engineering, the Chinese University of Hong Kong. He has been the group manager of the Visual Computing Group at the Microsoft Research Asia from 2005 to 2008. He is a local chair of the IEEE International Conference on Computer Vision (ICCV) 2005, an area chair of CVPR'07, a program chair of ICCV'09, and a general chair of the IEEE ICCV International Workshop on Analysis and Modeling of Faces and Gestures 2005 and 2007. He has been a guest editor for IEEE Journal of Oceanic Engineering and IEEE Transactions on Circuits and Systems for Video Technology. He is an associate editor of IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), Pattern Recognition Journal, and an area editor of Computer Vision and Image Understanding. His research interests include computer vision, pattern recognition, and video processing.

7. VCPC TC Officer Election

For the Secretary position:

- 1) Shipeng Li, nominated by Chang Wen Chang
- 2) Tan Yap Peng, nominated by Alex Kot

Yun He will be the TC Chair for tem 2008-2010

Shipeng Li will be the TC secretary for term 2008-2010

8. Next TC meeting will be held in ISCAS2009, the proposed agenda is as follows:

Approval of the agenda
BOG & TC Chairs meeting reports
Review the activities during the past year
Conference Support
New members election
ISCAS 2010 promotion
Other business
Adjourn
