

2010 Annual Report (May 2009 – May 2010)
Multimedia Systems and Applications Technical Committee
IEEE Circuits and Systems Society

Chairman: Dr. Ching-Yung Lin

Secretary: Dr. Yen-Kuang Chen

1. TC Activities Jan 2010 – May 2010:

1.1 New Election Results:

Circuits and System Society Representative to ICME Steering Committee: Dr. Yong Rui

Editor-in-Chief of The MSATC Web: Prof. Chris Lee

1.2 New Subcommittees:

1. Multimedia Security Systems subcommittee
2. Multimedia Indexing, Database & Retrieval Systems subcommittee
3. Multimedia Networking Systems subcommittee
4. Multimedia Coding Systems & Compressed-Domain Technologies subcommittee
5. Multimedia Display, Sensors & Sensory Systems subcommittee
6. VLSI, ASIC, and SoC Design for Multimedia subcommittee
7. Multimedia System and Architecture Design Methodology subcommittee
8. Architecture and Algorithm for Emerging Multimedia Platforms (GPU, Multi-core, etc) subcommittee
9. Mobile Multimedia subcommittee
10. 3D Multimedia subcommittee
11. Multimedia for Social and Health Informatics subcommittee

2. Technical Committee Meetings:

The Multimedia Systems and Applications Technical Committee in the IEEE Circuits and Systems Society annually organized two TC meetings, which were held in ISCAS and ICME. The details of TC Meetings are enlisted in the following:

2.1. TC Meeting in ISCAS 2010

Date: 01 June 2010 (Tuesday, during ISCAS 2010)

Venue: Disneyland New York Hotel,

ISCAS 2010, Paris, France

Time: 12:50pm – 2:00pm

Chairman: Ching-Yung Lin

Secretary: Yen-Kuang Chen

2.2. Upcoming TC Meeting in ICME 2010

Date: 20 July 2010 (tentative)

Venue: Suntec Singapore International Convention & Exhibition Center
Singapore

3. Members submitted Annual Reports:

People who submitted Annual Reports:

First Name	Last Name	Affiliation	Email
Supavadee	Aramvit	Chulalongkorn University	Supavadee.A@chula.ac.th
Oscar Chi-Lim	Au	HK University of Science and Technology	eeau@ust.hk
Jianfei	Cai	Nanyang Technological University	asjfc@ntu.edu.sg
Lekha	Chaisorn	Institute for Infocomm Research, A*STAR, Singapore	clekha@i2r.a-star.edu.sg
Lap-Pui	Chau	Nanyang Technological University	elpchau@ntu.edu.sg
Chang Wen	Chen	SUNY-Buffalo	chencw@buffalo.edu
Homer	Chen	National Taiwan University	homer@cc.ee.ntu.edu.tw
Tsuhuan	Chen	Cornell University	tsuhan@ece.cornell.edu
Yen-Kuang	Chen	Intel Corporation	yen-kuang.chen@intel.com
Sen-ching "Samson"	Cheung	University of Kentucky	sccheung@ieee.org
Shao-Yi	Chien	National Taiwan University	sychien@cc.ee.ntu.edu.tw
Pau-Choo	Chung	National Cheng Kung University	pcchung@ee.ncku.edu.tw
Ling	Guan	Ryerson University	lguan@ee.ryerson.ca
Jiwu	Huang	Sun Yat-sen University	isshjw@mail.sysu.edu.cn
Yueh-Min	Huang	National Cheng Kung University	huang@mail.ncku.edu.tw
Jenq-Neng	Hwang	University of Washington	hwang@u.washington.edu
Wen-Liang	Hwang	Academia Sinica	whwang@iis.sinica.edu.tw
Hongxia	Jin	IBM Research Almaden	jin@us.ibm.com
Akiomi	Kunisa	Sanyo	kunisa@gf.hm.rd.sanyo.co.jp
C. C. Jay	Kuo	University of Southern California	cckuo@sipi.usc.edu
Gwo Giun(Chris)	Lee	National Cheng Kung University	clee@mail.ncku.edu.tw
Howard	Leung	City University of Hong Kong	howard@cityu.edu.hk
Chia-Wen	Lin	National Tsing Hua University	cwlin@ee.nthu.edu.tw
Ching-Yung	Lin	IBM Watson Research	chingyung@us.ibm.com
Weisi	Lin	Nanyang Technological University	wslin@ntu.edu.sg
Nam	Ling	Santa Clara University	nling@scu.edu
Alexander	Loui	Kodak Research Lab	alexander.loui@kodak.com
Enrico	Magli	Politecnico Do Torino	enrico.magli@polito.it
Wen-Hsiao	Peng	National Chiao Tung University	pawn@mail.si2lab.org
Lai-Man	Po	City University of Hong Kong	eelmpo@cityu.edu.hk
Yong	Rui	Microsoft Asia	yongrui@microsoft.com

Bing	Sheu	TSMC	bing_sheu@tsmc.com
Yun-Qing	Shi	New Jersey Institute of Technology	shi@njit.edu
Thanos	Stouraitis	University of Patras	thanos@upatras.gr
Huifang	Sun	Mitsubishi Electric Research Labs	hsun@merl.com
Ming-Ting	Sun	University of Washington	sun@ee.washington.edu
Qi	Tian	University of Texas at San Antonio	qitian@cs.utsa.edu
Min-Jen	Tsai	National Chiao Tung University	mjtsai@cc.nctu.edu.tw
Anthony	Vetro	Mitsubishi Electric Research Labs	avetro@merl.com
Chua-Chin	Wang	National Sun Yat-Sen University	ccwang@ee.nsysu.edu.tw
Kevin J. F.	Yang	National Cheng Kung University	ifyang@ee.ncku.edu.tw
Wenjun	Zeng	University of Missouri	zengw@missouri.edu
Jian	Zhang	NICTA	jian.zhang@nicta.com.au
Wenwu	Zhu	Microsoft Research Asia	wenwuzhu@microsoft.com

4. New Member Mominations:

Proposer: Chang Wen Chang

Name: **Professor Houqiang LI**

Institution: University of Science and Technology of China

IEEE Member: Yes. CAS Member: Yes.

Attending Meeting: YES

Biography:

Professor Houqiang Li received the B.S., M.Eng., and Ph.D degree from University of Science and Technology of China in 1992, 1997, and 2000, respectively, all in electronic engineering. He is currently a Professor at the Department of Electronic Engineering and Information Science (EEIS), University of Science and Technology of China. His research interests include image/video coding and communications, distributed video coding, video processing and analysis, video surveillance. His research has been supported by National Natural Science Foundation of China (NSFC), State High-Tech Development Plan of China (863 program), Microsoft, Nokia, and Huawei. He has authored or co-authored over 60 papers in journals and conferences. He has been an Associate Editor (AE) for IEEE Trans. on CSVT since 2010, AE for Journal of Multimedia (Academy Publisher) since 2009. He is serving as the Program Co-Chair for Visual Communications and Image Processing 2010 to be held in July 2010 in Huangshan, China. He has served on technical/program committees, organizing committees, and as track/session chair for over 10 international conferences.

Proposer: Yun-Qing Shi

WeiQi Yan, Queen's University Belfast, UK

Dr. WeiQi Yan has been appointed as a lecturer since September 2007 in the cluster of Speech, Image and Vision Systems (SIVS), which is located at The Institute of Electronics, Communications and Information Technology (ECIT), Queen's University Belfast (QUB), UK. After receiving a doctorate degree of computer engineering from Academia Sinica, China in 2001, he moved to the School of Computing

(SoC), National University of Singapore and worked as a research fellow, and later as a regular faculty member in the same department from 2003-2005. In 2005, he joined in Columbia University in NYC, USA as a research scholar for event based video search and retrieval. He moved to University of California, Irvine USA in 2006 for event based next generation search.

Dr. Yan has co-authored nearly 80 publications, he is serving as the TPC members of 30 IEEE and ACM conferences, an associate editor of Journal of Multimedia, associate editor of International Journal of Digital Crime Forensics, a guest editor of the Springer Trans. on Data Hiding and Multimedia Security (DHMMS). He is a fellow of the Higher Education Academy, UK, a senior member of the IEEE.

Proposer: Jian Zhang

Name: Xian-Sheng Hua

Institute: Microsoft Research Asia, China

Email: xshua@microsoft.com

Website: <http://research.microsoft.com/en-us/um/people/xshua/>

Short Bio:

Xian-Sheng Hua is Lead Researcher, Microsoft Research Asia, China. Xian-Sheng Hua received the B.S. and Ph.D. degrees from Peking University, Beijing, China, in 1996 and 2001, respectively, both in applied mathematics. Since 2001, he has been with Microsoft Research Asia, Beijing, where he is currently a Lead Researcher with the media computing group. His current research interests are in the areas of video content analysis, multimedia search, management, authoring, sharing, mining, advertising and mobile multimedia computing. He has authored or co-authored more than 160 publications in these areas and has more than 50 filed patents or pending applications. He is now an adjunct professor of University of Science and Technology of China, and serves as an Associate Editor of IEEE Transactions on Multimedia, Associate Editor of ACM Transactions on Intelligent Systems and Technology, Editorial Board Member of Advances in Multimedia and Multimedia Tools and Applications, and editor of Scholarpedia (Multimedia

Category). He also has successfully served or is serving as vice program chair (VCIP 2005), workshop organizers (workshops of ICME 2009/2010, ICDM 2009 and ACM Multimedia 2010), demonstration chairs, tutorial chairs, special session chairs, senior TPC members (ACM Multimedia and ACM KDD) and PC members of a large number of international conferences.

Dr Hua won the Best Paper Award and Best Demonstration Award in ACM Multimedia 2007, Best Poster Award in 2008 IEEE International Workshop on Multimedia Signal Processing, Best Student Paper Award in ACM Conference on Information and Knowledge Management 2009, and Best Paper Award in International Conference on MultiMedia Modeling 2010. He also won 2008 MIT Technology Review TR35 Young Innovator Award, and named as one of the "Business Elites of People under 40 to Watch" by Global Entrepreneur.

Proposer: Nam Ling

Name: Dr. Philipp Zhang

Title: Chief Scientist

Institute: Hisilicon/Huawei Technologies

Short Bio:

Dr. Zhang (Chen-Xiong) Zhang (M'86) 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 SIEMENS 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 broadband/optical communication systems. After then he has worked in a couple of start-up high-tech companies as founder/CTO/CEO. 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. He published books and many technical papers. His seminar on MPEG over Broadband Networks took place in many countries on behalf of standard organizations. 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.

Proposer: Chang Wen Chen

Name: Dr. Hong JIANG

Institution: Intel Corporation

Address: Intel Corporation, Mail Stop FM5-64, 1900 Prairie City Road, Folsom, CA 95630 USA

Email: Hong.h.jiang@intel.com

IEEE Member: Yes (40010506). **CAS Member:** Yes.

Attending Meeting: No (initially planned to attend)

Biography:

Dr. Hong Jiang is a senior principal engineer and the chief media architect in the visual computing group of Intel Corporation. He has been with Intel over 14 years and is responsible for the media architecture of the PC products. He is one of the industry pioneers for today's superior quality high definition video capabilities broadly deployed in the client PC platforms. He is instrumental to the Clear Video Technology in Intel HD Graphics that includes video coding, numerous video processing techniques and high fidelity digital audio. He designed the inter-processor communication and instruction set architecture of Intel HD Graphics processors with efficient matrix and vector operations uniquely tailored for image and video signal processing. He has also been actively involved in industrial and international standard committees, such as Blu-Ray Forum, DVD Forum, PCI SIG, Bluetooth and MPEG (ISO/IEC). He worked

on the codec specification of the Blu-Ray Stereoscopic 3D video standard published in 2009. He serves as a project editor in development of International Standard, ISO/IEC 14496-2:2001/Amd.2:2002 Streaming video profile with specific contribution to the Fine Grain Scalability video coding, and a member in the organization committee of the International MPEG-4 Workshops, 2000-2002. He is a contributing author of the PCI Express 1.0 specification, leading the definition of virtual channel, package arbitration and isochronous mechanism. Dr. Jiang holds over seventy issued and pending patents, in the areas of imaging, graphics, video compression, video processing, inter-chip communication, computer system architecture and processor architecture. He received a Ph.D. degree in electrical engineering from the University of Illinois at Urbana-Champaign, a MS degree in Engineering Science from Dartmouth College, a ME degree in Electrical Engineering from Chinese Academy of Science and a BE degree from the University of Science and Technology of China.

Proposer: Ching-Yung Lin

Name: Dr. Chai Wah Wu

Institution: IBM Watson Research Center

Address: 19 Skyline Dr., Hawthorne, NY 10532, USA

Email: chaiwahwu@ieee.org

IEEE Member: Yes. **CAS Member:** Yes.

Attending Meeting: Probably

Biography:

Dr. Chai Wah Wu is an Research Staff Member and Manager of the Distributed Digital Media Infrastructure group in IBM T. J. Watson Research Center. He is leading a team of researchers in developing next generation media-aware middleware and multimedia collaboration solutions. His main research interests include: Digital Halftoning Algorithms, Document and Multimedia Security / Digital Signature, Cellular Neural Networks for Parallel Analog Computation and Signal Processing, Nolinear and Distributed Signal and Information processing systems, Synchronization, consensus and control in complex networks of circuits and systems, etc. He received his Ph.D. from UC Berkeley in 1995. He became an IEEE Fellow in 2001 and is in the Board of Governors of IEEE CAS society 2010-2011.

5. Accomplished Technical Activities (May 2009 to May 2010)

Conference organizations (68 conferences/workshops):

- ISCAS 2010 (Track Chair= Ching-Yung Lin, Yen-Kuang Chen, Special Session Track Chair= Pau-Choo Chung (Julia), Special Session Co-Chair= Pau-Choo Chung (Julia), Session Chairs Co-Chairs=

Thanos Stouraitis, Co-organizer of special session= Jiwu Huang, International Liaison= Thanos Stouraitis, RCM= Howard Leung, Gwo Giun(Chris) Lee, Thanos Stouraitis, Wen-Hsiao Peng, Hongxia Jin, Anthony Ho, Heung Kyu Lee, Feng Wu, Bin-Da Liu, Hui Cheng, Weisi Lin, Yong Rui, Chua-Chin Wang, Min-Jen Tsai, Lap-Pui Chau, JongWon Kim, Yun-Qing Shi, Chung-Hsien Wu, Corey Cheng, Chin-Feng Lai, Lai-Man Po, Alexander Loui, Qi Tian, Lekha Chaisorn, Mladen Berekovic, Min Wu, Jason Fritts, Supavadee Aramvith, Timothy Shih, Chun-Shien Lu, Bo Zhou, Oscar Au, Oscar Chen, Enrico Magli, Rong-Jian Chen, Xue Ping, Sen-ching Cheung, Chia-Wen Lin, Ray Huang, Jianfei Cai, Jen-Shiun, Liang-Gee Chen, Yu-Hen Hu, Jin Li, Mohammad Ibrahim, Jenq-Neng Hwang, Kou-Hu Tzou, Jay Kuo, Ling Guan, Shao-Yi Chien, Tsung-Han Tsai, Paper reviewer= Lai-Man Po)

- ICME 2009 (General Chair= Ching-Yung Lin, General Co-Chair= Alexander Loui, Oscar Chi-Lim Au, International Advisory Board Co-Chair= Ming-Ting Sun, Advisory Committee co-chair, Ling Guan, Technical Program Vice-Chair= Alexander Loui, Track Chair= Jianfei Cai, Enrico Magli, Pre-Steering Committee Chair= Ching-Yung Lin, Program chair= Hongxia Jin, Workshop co-Chairs= Lekha Chaisorn, Workshop Chair= Yen-Kuang Chen, Special Session Co-Chair= Chia-Wen Lin, Special session organizer= Enrico Magli, Session Chair= Ming-Ting Sun, Content Track Chair= Qi Tian, Steering Committee= Anthony Vetro, Interim Steering Committee member= Wenjun Zeng, Best paper award committee co-chair= Wenjun Zeng, Co-organizer= Wenjun Zeng, TPC Vice Chair= Wenjun Zeng, TPC= Oscar Chi-Lim Au, Demo Chair= Akiomi Kunisa, Area Chair= Jian Zhang, Reviewer= Hongxia Jin)
- ICIP 2009 (Registration Chair= Nam Ling, TPC= Oscar Chi-Lim Au, Presenter= Min-Jen Tsai)
- MMSP 2009 (TPC = Ming-Ting Sun, C.-C. Jay Kuo, Oscar Chi-Lim Au, Yen-Kuang Chen, Ching-Yung Lin)
- ACM MM 2009 (Panel Chair= Chang Wen Chen, Panel Moderator= Qi Tian, Demonstration Co-Chairman= Oscar Chi-Lim Au, TPC= Oscar Chi-Lim Au)
- 3DTV-CON 2009 (TPC= Oscar Chi-Lim Au)
- ACM DRM 2009 (Program Chair= Hongxia Jin)
- ACM MDI 2009 (Program Co-Chair= Howard Leung)
- ACM Int. Conference on Multimedia Retrieval 2009, (Steering Committee Member=Ling Guan)
- ACM MEDES 2009 (TPC= C.-C. Jay Kuo)
- ACM MTDL 2009 (Program Chair = Yueh-Min Huang)
- APSIPA ASC 2009 (Technical Track Chair= Oscar Chi-Lim Au, Panel Session Co-Chair=Ling Guan, TPC= C.-C. Jay Kuo)
- ASSCC 2009 (Local Organizing Committee member= Chua-Chin Wang, TPC= Shao-Yi Chien, Session Chair= Shao-Yi Chien)
- AVSS 2009 (TPC= Ming-Ting Sun, Sen-ching Samson Cheung)
- BioCAS 2009 (RCM= Pau-Choo Chung (Julia))
- CISP 2009 (TPC= Oscar Chi-Lim Au)
- EUSIPCO 2009 (TPC= C.-C. Jay Kuo)

- GENSIPS 2009 (TPC= C.-C. Jay Kuo)
- ICC 2009 (Presenter= Min-Jen Tsai)
- ICDE 2009 (TPC= Oscar Chi-Lim Au)
- ICESS 2009 (TPC= Yen-Kuang Chen)
- ICSIPA 2009 (International Advisory Board Member= C.-C. Jay Kuo)
- IHMSP 2009, (Advisory Committee Chair= C.-C. Jay Kuo, Advisory Committee Member= Ming-Ting Sun, TPC= Supavadee Aramvith)
- IMAGAPP 2009 (TPC= Oscar Chi-Lim Au)
- IMCS 2009 (Program Chair= Qi Tian)
- IMSA 2009 (TPC= C.-C. Jay Kuo)
- International Conference on Parallel and Distributed Computing and Networks 2009 (TPC= Yen-Kuang Chen)
- ISPACS 2009 (International Steering Committees= Supavadee Aramvith)
- SPAN 2009 (TPC= Oscar Chi-Lim Au)
- IWDW 2009 (Co-Tech Chair= Yun-Qing Shi)
- IWDW 2009 (TPC: C.-C. Jay Kuo)
- IEEE-NIH Life Science Systems and Application Workshop 2009 (Program Co-Chair= Pau-Choo Chung (Julia))
- LSMMRM 2009 (Program Chair= Qi Tian)
- MMEDIA 2009 (Industry Research Chair= Alexander Loui)
- Packet Video 2009 (Session Chair= Ming-Ting Sun, Finance Co-Chair= Ming-Ting Sun, Steering Committee Member= Ming-Ting Sun, TPC: Wenjun Zeng Demonstration Chairman= Oscar Chi-Lim Au)
- PCM 2009 (Honorary Chair: Ling Guan, Steering Technical Committee Member= Ming-Ting Sun, TPC= Oscar Chi-Lim Au)
- PSIVT 2009 (TPC= Oscar Chi-Lim Au)
- SIGMAP 2009 (TPC= C.-C. Jay Kuo, Oscar Chi-Lim Au)
- SIP 2009 (TPC= Oscar Chi-Lim Au)
- SiPS 2009 (TPC= Nam Ling, Oscar Chi-Lim Au, Yen-Kuang Chen)
- SPPRA 2009 (TPC= Oscar Chi-Lim Au)
- TENCON 2009 (Local Arrangement Chair= Lekha Chaisorn)
- VLSI/CAD 2009 (Steering Committee= Chua-Chin Wang)
- VLSI-DAT 2009 (Session Chair= Chua-Chin Wang , TPC= Chua-Chin Wang)
- WIFS 2009 (TPC= C.-C. Jay Kuo)
- WMAPS 2009 (TPC= C.-C. Jay Kuo)
- ICASSP 2010 (TPC= Oscar Chi-Lim Au)
- 3DTV-CON 2010 (TPC= Oscar Chi-Lim Au)
- AfricaIMSA 2010 (IPC member= C.-C. Jay Kuo)

- CCECE 2010 (TPC= Oscar Chi-Lim Au)
- CCNC 2010 (Steering committee member= Wenjun Zeng)
- EUSIPCO 2010 (TPC= Wen-Liang Hwang)
- ICCE 2010 (TPC= Nam Ling)
- ICECS 2010 (General Chair= Thanos Stouraitis)
- ICICDT 2010 (Track Chair= Chua-Chin Wang, TPC= Chua-Chin Wang)
- ICISA 2010 (Publicity Co-Chair= Alexander Loui, Publicity Chair= Lekha Chaisorn)
- IMAGAPP 2010 (TPC= Oscar Chi-Lim Au)
- ISNE 2010 (General Co-Chair= Chua-Chin Wang)
- ISPACS 2010 (Technical Program Co-Chair= Lap-Pui Chau, International Steering Committees= Supavadee Aramvith)
- IUI 2010 (Registration Chair= Howard Leung)
- MMM 2010 (Program Chair= Qi Tian)
- PrimeAsia 2010 (TPC= Oscar Chi-Lim Au)
- SIGMAP 2010 (TPC= Oscar Chi-Lim Au)
- SSCI 2010 (Publicity Co-chair= Pau-Choo Chung (Julia))
- VIPC 2010 (TPC= C.-C. Jay Kuo)
- VLSI-DAT 2010 (Session Chair= Shao-Yi Chien , TPC= Shao-Yi Chien)
- WCCI 2010 (Special Session Organizer= Pau-Choo Chung (Julia))
- WIAMIS 2010 (Special Session Chair= Jian Zhang)

IEEE and Other Journal Editorships (50 journals/magazines):

- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT) (Past Editor-in-Chief= Chang Wen Chen, AE= Jianfei Cai, Chia-Wen Lin, Gwo Giun (Chris) Lee, Homer H. Chen, Jar-Ferr Yang, Lap-Pui Chau, Shao-Yi Chien, Anthony Vetro, Wenwu Zhu, Yong Rui, Oscar Chi-Lim Au, Jian Zhang, Yen-Kuang Chen, Qi Tian, Ling Guan, GE =Yen-Kuang Chen, Reviewer= Lai-Man Po, Weisi Lin, Oscar Chi-Lim Au)
- IEEE Transactions on Multimedia (TMM) (Steering Committee= Jar-Ferr Yang, Anthony Vetro, Steering Committee Member= Wenjun Zeng, GE= Ching-Yung Lin, AE= Yen-Kuang Chen, Ling Guan, Reviewer= Oscar Chi-Lim Au, Hongxia Jin, Min-Jen Tsai)
- IEEE Multimedia Magazine (AE in Chief= Yong Ru, AE= Wenjun Zeng)
- IEEE Trans. on Circuits & Systems-I (TCAS1) (AE= Chua-Chin Wang, Reviewer= Oscar Chi-Lim Au)
- IEEE Trans. on Circuits & Systems-II (TCAS1) (AE= Chua-Chin Wang, Reviewer= Oscar Chi-Lim Au)
- IEEE Signal Processing Letters (AE= Alexander Loui, Lap-Pui Chau, Reviewer: Oscar Chi-Lim Au)
- IEEE Signal Processing Magazine (GE= Yen-Kuang Chen, Reviewer= Oscar Chi-Lim Au)
- IEEE Transactions on Image Processing (AE= Jenq-Neng Hwang, Oscar Chi-Lim Au, Reviewer= Lai-Man Po, Weisi Lin, Oscar Chi-Lim Au)

- Proceedings of the IEEE (Editor on Editorial Board= Bing Sheu, Reviewer= Oscar Chi-Lim Au)
- IEEE Transactions on Broadcasting (AE= Lap-Pui Chau, Reviewer =Lai-Man Po)
- IEEE Transactions on Neural Networks (AE= Pau-Choo Chung (Julia))
- Journal of Multimedia (Chair= Chang Wen Chen, Advisory Board= Chang Wen Chen, Member of Editorial Board= Oscar Chi-Lim Au, Qi Tian)
- Journal of Signal Processing Systems (Editorial Board Member= Jenq-Neng Hwang, Oscar Chi-Lim Au, Chua-Chin Wan, Gwo Giun (Chris) Lee, Yen-Kuang Chen, Ling Guan, GE= Nam Ling, Chua-Chin Wang, Lap-Pui Chau)
- Journal of Visual Communication and Image Representation (Editor-in-Chief= C.-C. Jay Kuo, Editorial Board= Ching-Yung Lin, Weisi Lin, GE= Ming-Ting Sun, Reviewer=Oscar Chi-Lim Au)
- ACM Tractions Intelligent Systems and Technology (GE= Qi Tian)
- ACM Transactions on Multimedia Computing, Communications and Applications (ACM TOMCCAP), (GE= Shao-Yi Chien)
- Circuits, Systems and Signal Processing (AE= Shao-Yi Chien)
- ETRI Journal, Information, Telecommunications & Electronics (Editor= Jenq-Neng Hwang)
- EURASIP International Journal of Image and Video Processing (AE= Jian Zhang, Ling Guan)
- EURASIP Journal of Advances in Signal Processing (Editorial Board Member= C.-C. Jay Kuo, AE= Jar-Ferr Yang)
- EURASIP Journal of Electrical and Computing Engineering (AE= Ling Guan)
- EURASIP Journal of Information Security (Editorial board member= Enrico Magli, AE= Jiwu Huang, Sen-ching Samson Cheung)
- EURASIP Research Letters in Signal Processing (AE= Jar-Ferr Yang)
- Europe, Journal of Circuits, Systems, and Computers (Regional Editor= Thanos Stouraitis)
- IEICE Trans. on Electronics (AE= Chua-Chin Wang)
- IET Signal Processing (Editorial Board Member= Jar-Ferr Yang)
- Interactive Learning Environments (AE & GE= Yueh-Min Huang)
- Inter. Journal of VLSI Design (AE= Chua-Chin Wang)
- International Journal of Communication Systems (AE= Yueh-Min Huang)
- International Journal of Digital Multimedia Broadcasting, Lead GE= Gwo Giun (Chris) Lee
- International Journal of Distance Education Technologies (GE= Howard Leung)
- International Journal of Multimedia Broadcasting (AE= Jenq-Neng Hwang)
- International journal of wavelets, multiresolution and information processing (AE= Wen-Liang Hwang)
- Journal of Advances of Multimedia (Editorial Board Member= C.-C. Jay Kuo)
- Journal of Communications (Editor= Wenjun Zeng, GE= Homer H. Chen)
- Journal of Electrical and Computer Engineering (Editorial Board Member= C.-C. Jay Kuo)
- Journal of Electronic Imaging (AE= Alexander Loui, Ling Guan, Reviewer= Oscar Chi-Lim Au)
- Journal of Franklin Institute (JFI) (Member of Editorial Board= Oscar Chi-Lim Au, Reviewer= Oscar Chi-Lim Au)

- Journal of Information Hiding and Multimedia Signal Processing (JIH-MSP) (AE= Supavadee Aramvith, Yun-Qing Shi)
- Journal of Information Science and Engineering (Editor= Jenq-Neng Hwang, AE= Pau-Choo Chung (Julia), Reviewer= Oscar Chi-Lim Au)
- Journal of wavelet theory and application (AE= Wen-Liang Hwang)
- LNCS Transactions on Data Hiding and Multimedia Security (Springer) (Editor-in-Chief= Yun-Qing Shi, Editor= C.-C. Jay Kuo)
- Multimedia Systems and Signal Processing (AE= Yun-Qing Shi, Pau-Choo Chung (Julia))
- Online Multimedia Advertising: Techniques and Technologies (Editorial Advisory Board= Ming-Ting Sun)
- Security and Communication Networks (AE= C.-C. Jay Kuo)
- Statistical Analysis and Data Mining (AE= Sen-ching Samson Cheung)
- The HKIE Transactions (AE= Lai-Man Po, Reviewer= Oscar Chi-Lim Au)
- Transactions on Information Forensics & Security (AE= Wenjun Zeng, Reviewer= Oscar Chi-Lim Au)
- Wireless Communications and Mobile Computing (AE=Yueh-Min Huang)
- CRC Press, Book Series on Multimedia Computing, Communication and Intelligence (Book Series Editor= Chang Wen Chen)

Distinguished Lecturer (4):

- IEEE Broadcast Technology Society Distinguished Lecturer (2009-2013) : <Lap-Pui Chau>
- IEEE CAS Distinguished Lecturer, 2008-2009: <Huifang Sun>
- IEEE CAS Distinguished Lecturer, 2009-2010: <Oscar Chi-Lim Au>
- IEEE CAS Distinguished Lecturer, 2010-2011: <Ling Guan>

Keynote Speeches (28):

- DLP talk: "Overview of digital video coding technology", June, 2009, Sungkyunkwan University, Korea: <Huifang Sun>
- DLP talk: "Overview of multiview video coding", March, 2009, Peking University, China: <Huifang Sun>
- Keynote Speaker: 2009 Joint Conferences on Pervasive Computing (JCPC) <Nam Ling>
- Keynote Speaker: ACM International Conference on Internet Multimedia Computing and Service, November 2009: <Chang Wen Chen>
- Keynote Speaker: International Workshop on Large-scale Cross-Media Retrieval and Mining, October 24, 2009, Hangzhou, China: <Qi Tian>
- Keynote Speaker: ICCMS 2010, <Lekha Chaisorn>
- Keynote Speaker: ICCSIT 2009, <Lekha Chaisorn>
- Keynote Speaker: ICME 2010, IWITMA Workshop, July 2010: <Chang Wen Chen>

- Keynote Speaker: ICST, 5th International Mobile Multimedia Communication Conference, September 2009: <Chang Wen Chen>
- Keynote Speaker: IEA/AIE 2009, Taiwan, June 24-27 2009, <Pau-Choo Chung (Julia)>
- Keynote Speaker: IEEE CAS , Asia Pacific Conference on Postgraduate Research in Microelectronics & Electronics, November 2009: <Chang Wen Chen>
- Keynote Speaker: "Internet-scale Image Retrieval and Mining: Position Statement" at International Workshop on Frontiers of Multimedia Computing, October 18, 2009, Huangshan, Anhui, China: <Qi Tian>
- Keynote Speaker: MINES , International Conference on Multimedia Information Networking and Security, November 2009: <Chang Wen Chen>
- Keynote Speaker: PCM 2009, December 2009: <Chang Wen Chen>
- Keynote Speaker: Taiwan.s Embedded Software Consortium, Hsinchu, Taiwan, December 25, 2009, <C.-C. Jay Kuo>
- Keynote Speaker: the 5th Workshop on Wireless, Ad hoc, and Sensor Networks (WASN 2009), NTHU Hsinchu, Taiwan. September 10-11, 2009: <Jenq-Neng Hwang>
- Keynote Speaker: The First International Conference on Pervasive Computing, Signal Processing and Applications, 2010 <Jar-Ferr Yang>
- Keynote Speaker: U-Media 2010, July 2010: <Chang Wen Chen>
- Keynote Speaker: Web 2.0 Expo New York 2009 <Ching-Yung Lin>
- Keynote Speaker: Workshop on Emerging Multimedia Circuits and Systems 2009, <Ming-Ting Sun>
- Plenary Speaker: the 2009 VLSI Design/CAS Symposium, Hualien Taiwan, August 4-7, 2009: <Jenq-Neng Hwang>
- Plenary Speaker: the 4th International Symposium on Embedded Technology (ISET 2009), Daegu, South Korea, May. 21-22, 2009: <Jenq-Neng Hwang>
- Invited talk: "21st Century Competitiveness of Youth in Taiwan, Competition Between Talents and Technologies," Winter Teachers Camp, National Chiao Tung University, Feb. 2010: <Bing Sheu>
- Invited talk: "21st Century Youth to Foresee the Future, Embrace the Future, and Win the Future," Graduate Institute of Communication Engineering, National Taiwan University, May 2010: <Bing Sheu>
- Invited talk: "Media content analysis for semantic indexing and detection," IEEE Signal Processing Society Seminar, IEEE North Jersey Section, New Jersey, Feb. 2009: <Alexander Loui>
- Invited Talk: "Latest Technological Developments and Applications of 3D Display", jointly organized by Hong Kong Electronics Industry Council and Hong Kong Trade Development Council at Hong Kong Convention and Exhibition Centre on 14 April 2010: <Lai-Man Po>

- Invited Talk: “A cross-cultural comparison of Taiwanese and Norwegian engineering students’ preferences for university life”, Annual ASEE Global Colloquium on Engineering Education, Budapest, Hungary October 12-15, 2009. < Yueh-Min Huang>
- Invited Talk: “Research Issues of Web 2.0 on e-Learning”, International Conference on Computers in Education, Dec. 4, 2009 < Yueh-Min Huang>

Other IEEE services (e.g., CAS BoG, Region presidents, VP, ...) (26):

- IEEE Circuit and Systems Society (2007-2009, 2010-2012), Board of Governor: <Pau-Choo Chung (Julia)>
- IEEE CAS Society VP-Conferences: <Thanos Stouraitis>
- IEEE CAS Multimedia Systems and Applications Technical Committee, 2009, Chair: <Jar-Ferr Yang>
- Past Chairman, IEEE CAS TC on Multimedia Systems and Applications (MSATC): <Oscar Chi-Lim Au>
- IEEE Circuit and Systems Society (CASS), 2008-2009, Life Science System and Applications TC, Chair: < Pau-Choo Chung (Julia)>
- ICME, Member, Steering Committee, 2009-2011: <Chang Wen Chen>
- Member of the IEEE CASS Long Term Strategy Committee: <Thanos Stouraitis>
- Steer Committee member (representing CASS), IEEE Transactions on Mobile Computing: <Wenwu Zhu>
- Member in the CAS IEEE Fellow Committee, 2009: <Ming-Ting Sun>
- Alternate Member in the IEEE Fellow Committee, 2009: <Ming-Ting Sun>
- Chair of IEEE CASS Guangzhou Chapter, 2008-now: <Jiwu Huang>
- IEEE Tainan Section, Chairman: <Jar-Ferr Yang>
- IEEE Tainan Section, Secretary: <Yueh-Min Huang>
- Vice Chairman of IEEE Hong Kong Section, Signal Processing Chapter, 2009 to 2010: <Lai-Man Po>
- Secretary, IEEE Singapore Section 2009-2010: <Lekha Chaisorn>
- IEEE Region 10 Humanitarian Technology Challenge (HTC), core group member: <Supavadee Aramvith>
- IEEE Thailand Section 2010-2011, Secretary/HTC coordinator: <Supavadee Aramvith>
- CASS Beijing Chapter Chair: < Wenwu Zhu>
- Chair, Signal Processing Chapter, IEEE North Jersey Section: <Yun-Qing Shi>
- IEEE Signal Processing Chapter, Greece, Chair: <Thanos Stouraitis>
- IEEE CAS TC on Visual Signal Processing and Communications (VSPC) member: < C.-C. Jay Kuo, Oscar Chi-Lim Au, Yen-Kuang Chen>
- IEEE CAS TC on Digital Signal Processing (DSPTC) : <Oscar Chi-Lim Au>

- IEEE SPS TC on Multimedia Signal Processing (MMSP) : <Oscar Chi-Lim Au, Yen-Kuang Chen>
- IEEE SPS TC on Information Forensics and Security: <C.-C. Jay Kuo>
- IEEE SP TC on Image, Video and Multi-dimensional Signal Processing (IVMSP): <Oscar Chi-Lim Au>
- IEEE COM TC on Multimedia Communications (MMTC): < C.-C. Jay Kuo, Oscar Chi-Lim Au>
- IEEE Computational Intelligence Society (2009-2011), ADCOM member: <Pau-Choo Chung (Julia)>

Awards and Honors (e.g., Fellow, best paper awards, outstanding services, etc.): (17 awards/honors)

- Award for Notable Services and Contributions, IEEE Rochester Section, 2009 -- <Alexander Loui>
- Finalist for Best Paper award (“Short-term audio-visual atoms for generic video concept classification”) at the ACM Multimedia Conference, 2009 – Co-author -- <Alexander Loui>
- Top Story of the Week, BusinessWeek Magazine, April 2009 -- <Ching-Yung Lin>
- Best Paper Award, TANET2009, Taiwan, Oct. 2009 -- <Yueh-Min Huang>
- Best Paper Award, National Computer Symposium, Taiwan, Dec. 2009 -- <Yueh-Min Huang>
- Inventor Award, National Sun Yat-Sen University, 2009 -- <Chua-Chin Wang>
- ICST, MobiMedia 2009 – Best Student Paper Award , 2009 -- <Chang Wen Chen>
- Alexander Humboldt Foundation, Humboldt Research Award , 2010 -- <Chang Wen Chen>
- National Cheng Kung University, Distinguished Guest Professor, 2009 -- <Chang Wen Chen>
- Technical University of Munich , Visiting Chair Professor, 2010 -- <Chang Wen Chen>
- IEEE Fellow -- <Yong Rui>
- On May 11, 2009 Fox News reported Dr. Yun Shi and his group’s research on Image Steganalysis and Tampering detection -- <Yun-Qing Shi>
- Our L-slice algorithm was accepted into AVS-X standard in China in 2009 -- <Oscar Chi-Lim Au>
- T-CSVT outstanding AE award-- <Yen-Kuang Chen>
- PhD Thesis Advisor of the Best Dissertation Award – Best Experimental Work, the USC Viterbi School of Engineering, May 2010-- <C.-C. Jay Kuo>
- Recipient of the 2010 Electronic Imaging Scientist of the Year Award, January 2010 (awarded by IS&T and SPIE) -- <C.-C. Jay Kuo>
- ACM Service Award presented to “Dr. Qi Tian in Appreciation for Contributions to ACM as Program Chair, Multimedia 2009, October 19-24, 2009.” -- <Qi Tian>

Upcoming Event and Future Conference Activities (27 conferences/workshops)

- ICME 2010 (General Co-Chair, Oscar Chi-Lim Au, Panel Chair: ChangWen Chen, TPC Co-Chair: Homer H. Chen, Industry Co-Chair= Alexander Loui, Workshop Co-Chair= Alexander Loui, Steering Committee Chair= Wenjun Zeng Special Sessions co-chair= Enrico Magli, Special Session Organizers= Wen-Hsiao Peng, Tutorial Co-Chair= Weisi Lin, Co-organizer= Wenjun Zeng, Demo Session co-Chairs= Lekha Chaisorn, Registration Chair= Jianfei Cai, Supavadee Aramvith , Exhibition Chair= Shao-Yi Chien, Publicity Chair= Jian Zhang, Technical Program Co-Chair= Chia-Wen Lin, Ming-Ting Sun, TPC= Sen-ching Samson Cheung, Weisi Lin)
- ACM MM 2010 (General Chair= Shih-Fu Chang, Tutorial Co-Chair= Alexander Loui, Industrial Exhibits Chair= Qi Tian, Program Chair= Qi Tian)
- ICIP 2010 (Co-organizer= Wenjun Zeng, Registration Chair= Lai-Man Po, Track Chair= Oscar Chi-Lim Au, Special Session Chair= Oscar Chi-Lim Au, TPC= Oscar Chi-Lim Au, Wen-Liang Hwang, Paper reviewer= Lai-Man Po)
- MMSP 2010 (Special sessions co-chair= Enrico Magli, TPC= Yen-Kuang Chen)
- International Conference on Digital Computing: Techniques and Applications 2010 (Co-General Chair= Jian Zhang)
- Annual Summit and Conference (ASC 2010) of Asia-Pacific Signal and Information Processing Association (APSIPA), Technical Program Committee Member= Sen-ching Samson Cheung
- APSIPA ASC 2010 (Track chair= Wenjun Zeng, Local Arrangement Chair= Lekha Chaisorn, TPC= Oscar Chi-Lim Au, Supavadee Aramvith)
- ICGCS 2010 (International Liaison Chairs= Wenwu Zhu)
- ICPR 2010 (Program Chair= Qi Tian, TPC= Wen-Liang Hwang)
- IEEE Globecom 2010 Workshop (TPC= Oscar Chi-Lim Au, Supavadee Aramvith, Tutorial speaker= Jenq-Neng Hwang)
- IEICE SISA 2010 (International Advisory Board= Supavadee Aramvith)
- IIH-MSP 2010 (TPC= Supavadee Aramvith)
- ISCIT 2010 (TPC Chairs= Supavadee Aramvith, TPC= Oscar Chi-Lim Au)
- IWDW 2010 (Co-Tech Chair: Yun-Qing Shi)
- Packet Video 2010 (General Co-Chair= Oscar Chi-Lim Au, Steering Committee Member= Ming-Ting Sun, Demo co-Chair= Wenjun Zeng)
- PCM 2010 (TPC= Ming-Ting Sun, Oscar Chi-Lim Au, TPC= Weisi Lin)
- PV 2010 (Local Arrangement Chair= Lai-Man Po)
- SiPS 2010 (TPC Chair= Yen-Kuang Chen , TPC= Shao-Yi Chien, Gwo Giun Chris Lee, Wen-Hsiao Peng)
- U-Media 2010 (Finance Co-Chair= Howard Leung)
- VCIP 2010 (Asia-Pacific Liaison Chair= Jian Zhang, Special Session Chair= Jar-Ferr Yang, Demo Co-Chairs= Shao-Yi Chien, Panel and Tutorial Chair= Qi Tian, TPC= Oscar Chi-Lim Au, TPC= Ming-Ting Sun)
- WAIM 2010 (Finance Co-Chair= Howard Leung)

- CCNC 2011 (Steering committee member= Wenjun Zeng)
 - MMM 2011 (TPC= Weisi Lin)
 - MMSP 2011 (Technical program co-chair= Enrico Magli, TPC=Yen-Kuang Chen)
 - WACI 2011 (TPC Chair= Pau-Choo Chung (Julia))
 - ACM SIGHINF Intl. Symp. On Health Informatics 2010 (Steering committee chair=Ching-Yung Lin)
 - ISCAS 2013 (General Co-Chair= Chang Wen Chen , TPC Co-Chair= Wenwu Zhu)
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