

**2014 Annual Report (June 2013 – May 2014)**  
**Multimedia Systems and Applications Technical Committee**  
**IEEE Circuits and Systems Society**

Chairman: Dr. Chia-Wen Lin  
Secretary: Dr. Zicheng Liu

## 1. TC Activities June 2013 – May 2014:

### 1.1. New Election Results

- ICME TC co-chairs: Shao-Yi Chien (2014), Yap-Peng Tan (2015)
- ICME steering committee (voting) members: Jian Zhang (Term: 2013/1~2014/12), Nam Ling (Term: 2014/1~2015/12),
- New members (Term: 2013/9~2017/8): Ching-Yung Lin, Feng Wu, Lexin Xie, Tao Mei, Moncef Gabbouj, Oscar Au, Pau-Choo (Julia) Chung, Shipeng Li, Touradj Ebrahimi, Wenjun Zeng, Winston Hsu, Zhenzhong Chen

### 1.2. Subcommittees

- TC by-law/P&P sub-committee: Zicheng Liu (Chair), Yen-Kuang Chen, Chia-Wen Lin, Samson Cheung, Joern Ostermann, Anthony Vetro, Yap-Peng Tan
- Technical vision sub-committee: Jian Zhang (Chair), Yen-Kuang Chen, Shao-Yi Chien, JongWon Kim, Alex Loui, Jhing-Fa (James) Wang, Yong Rui, Wenjun Zeng
- Membership and election sub-committee: Yap-Peng Tan (Chair), Wenjun Zeng, Enrico Magli
- Award and nomination sub-committee: Anthony Vetro (Chair), Ming-Ting Sun, Ling Guan, Homer Chen, and Pascal Frossard
- T-MM Ad-Hoc Group: Ching-Yung Lin (Chair), C.-C. Jay Kuo, Ming-Ting Sun, Yong Rui, Moncef Gabbouj, Anthony Vetro, Pascal Frossard, Wenjun Zeng, Yen-Kuang Chen, Zicheng Liu, Chia-Wen Lin
- On-line community sub-committee:
- TC Newsletters: Shao-Yi Chien

## 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. Upcoming TC Meeting in ISCAS 2014

Date: 6/04/2014

Time: 12:30-14:00

Location: 218 Melbourne Convention and Exhibition Center, Australia

Chairman: Chia-Wen Lin

Secretary: Zicheng Liu

## 3. Members submitted Annual Reports:

First Name	Last Name	Affiliation	Email
Yen-Kuang	Chen	Intel	yen-kuang.chen@intel.com
Chia-Wen	Lin	National Tsing Hua University, Taiwan	cwlin@ee.nthu.edu.tw
Jianfei	Cai	Nanyang Technological University	asjfcai@ntu.edu.sg
Moncef	Gabbouj	Tampere University of Technology	moncef.gabbouj@tut.fi

C.-C. Jay	Kuo	USC	cckuo@SIPI.USC.EDU
Oscar	Au	Hong Kong University of Science and Technology	eeau@UST.HK
Weiyao	Lin	Shanghai Jiao Tong University	wylin@SJTU.EDU.CN
Jie	Liang	Simon Fraser University	jli@SFU.CA
Wen-Hsiao	Peng	National Chiao Tung University	pawn@MAIL.SI2LAB.ORG
Mei	Tao	Microsoft Research	tmei@microsoft.com
Shipeng	Li	Microsoft Research	spli@MICROSOFT.COM
Pau-Choo	Chung	National Cheng Kung University, Taiwan	pcchung@ee.ncku.edu.tw
Thanos	Stouraitis	University of Patras, Greece	thanos@upatras.gr
Jar-Ferr Yang	Yang	National Cheng Kung University	jfyang@EE.NCKU.EDU.TW
Enrico	Magli	Politecnico di Torino (Italy)	Enrico.magli@polito.it
Ling	Guan	Ryerson University, Canada	lguan@ee.ryerson.ca
Ming-Ting	Sun	University of Washington	sun@ee.washington.edu
Anthony	Vetro	Mitsubishi Electric Research Labs	avetro@merl.com
Homer	Chen	National Taiwan University	homer@ntu.edu.tw
Bin-Da	Lin	National Cheng Kung University	bdliu@mail.ncku.edu.tw
Weisi	Lin	Nanyang Technological University, Singapore	wslin@ntu.edu.sg
Yong	Rui	Microsoft Research	yongrui@microsoft.com
Zicheng	Liu	Microsoft Research	zliu@microsoft.com
Wenwu	Zhu	Tsinghua University	wwzhu@tsinghua.edu.cn
Chang Wen	Chen	SUNY-Buffalo	chencw@buffalo.edu
Nam	Ling	Santa Clara University	nling@scu.edu
Tian Sheuan	Chang	National Chiao Tung University, Taiwan	tschang@mail.nctu.edu.tw
Lap-Pui	Chau	Nanyang Technological University	elpchau@ntu.edu.sg
Alexander	Loui	Kodak Alaris Inc., U.S.A.	a.loui@ieee.org
Zhenzhong	Chen	Wuhan University	zzchen@ieee.org
Lexin	Xie	Australian National University	lexing.xie@anu.edu.au
Shao-Yi	Chien	National Taiwan University	sychien@ntu.edu.tw
Pascal	Frossard	École polytechnique fédérale de Lausanne	pascal.frossard@epfl.ch
Mladen	Berekovic	Technische Universität Braunschweig	berekovic@c3e.cs.tu-bs.de
Anthony	Ho	University of Surrey	a.ho@surrey.ac.uk
Wenjun	Zeng	University of Missouri	zengw@missouri.edu
Gwo Giun	Lee	National Cheng Kung University	cle@mail.ncku.edu.tw

#### 4. Accomplished Technical Activities (June 2013 to May 2014)

##### Conference organizations:

- ISCAS 2014: TPC member (Jianfei Cai), RCM (Weiyao Lin, Wen-Hsiao Peng, Bin-Da Liu), MSA Track Chair (Chia-Wen Lin), DSP Track Chair (Concef Gabbouj)
- ISCAS 2013: General Chair (Chang Wen Chen)
- ICME 2014: Steering committee member (Jianfei Cai, Homer Chen, Chia-Wen Lin, Wenjun Zeng), General Chair (Shipeng Li, Touradj Ebrahimi), Program Chair (Zicheng Liu, Shao-Yi Chien), Workshop Chair (Mei Tao), Area Chair (Mei Tao, Alexander Loui, Lexin Xie, Shao-Yi Chien), Publication Chair (Zhenzhong Chen)
- ICME2013: General Co-chair (Nam Ling), Area Chair (Anthony Ho), Workshop Co-Chair (Wenjun Zeng)
- ACM Multimedia 2014: General Chair (Yong Rui), TPC Co-Chair (Wenwu Zhu), Steering Committee (Yong Rui), Panel Chair (Chang Wen Chen), Area Chair (Tao Mei, Lexin Xie)
- ACM Multimedia 2013: Tutorial Chair (Lexin Xie)
- MMSP2014: General Chair (Susanto Rahardja), Program Chair (Alexander Loui), Finance Chair (Chia-Wen Lin): TPC Member (Jianfei Cai), Special Session Chair (Anthony Vetro), American Liaison (Nam Ling)

- MMSP2013: General Chair (Enrico Magli)
- ICIP 2013: Area Chair (Jianfei Cai, Alexander Loui, Chia-Wen Lin), Session Chair (Homer Chen, Chia-Wen Lin), Publicity Chair (Lexin Xie)
- ICIP 2014: TPC Chair (Pascal Frossard), Area Chair (Chia-Wen Lin)
- VCIP2013: America Liaison (Ming-Ting Sun), TPC Co-Chair (Lap-Pui Chau, Nam Ling)
- VCIP2014: TPC Co-Chair(Enrico Magli), Publicity Co-Chair (Jianfei Cai)
- SiPS 2013: Local Chair (Shao-Yi Chien), Special Session Chair (Gwo Giun Lee)
- PCM: Special session co-chair for PCM'14 (Jianfei Cai)
- IEEE WIFS 2013: TPC Chair (Wenjun Zeng)
- ISCCSP: TPC Chair, Moncef Gabbouj
- EUVIP: Chairman, Moncef Gabbouj
- EMSA2013: General Chair, Moncef Gabbouj, Ming-Ting Sun, Weiyao Lin, Steering Committee Co-Chair (Zhenzhong Chen)
- EMSA2014: Organizer: Weisi Lin, Steering Committee Co-Chair (Zhenzhong Chen)
- IGBSG, Steering Committee, C.-C. Jay Kuo
- FIT: Steering Committee, C.-C. Jay Kuo
- PCS: Conference Co-Chair, C.-C. Jay Kuo
- IVMS: Advisory Committee, C.-C. Jay Kuo
- NFPS: Conference Co-Chair, C.-C. Jay Kuo
- NSS2013: Advisory Committee, C.-C. Jay Kuo
- PCM: Special Session Chair, Jianfei Cai
- ISBB: Steering Committee (Pau-Choo Chung)
- ICICS: General Co-Chair (Pau-Choo Chung), International Advisory Committee (Nam Ling)
- TAAI, Advisory Committee (Pau-Choo Chung)
- BioCAS: Tutorial Co-Chair (Pau-Choo Chung)
- ICIMCS 2014: TPC Co-Chair (Wenwu Zhu)
- ICECS, Steering Committee (Thanos Stouraitis)
- ICCAS: TPC Co-Chair (Bin-Da Liu)
- ICMR: Steering Committee (Yong Rui)
- PCA: Steering Committee (Yong Rui)
- VCV: General Co-Chair (Nam Ling)
- ICIEA: International Advisory Committee (Nam Ling)
- IEEE WFIT: Special Session Chair (Zhenzhong Chen)
- ACML 2013: Tutorial and Workshop Chair (Lexi Xie)

#### **IEEE and Other Journal Editorships:**

- IEEE Transactions on Multimedia: EiC: Chang Wen Chen; AEs (Chia-Wen Lin, Tao Mei, Enrico Magli, Weisi Lin, Yap-Peng Tan, Lexing Xie, Feng Wu, Wenwu Zhu)
- IEEE Multimedia Magazine: EiC: (Yong Rui); AEiC: (Wenjun Zeng); AEs (Chia-Wen Lin, Anthony Vetro)
- IEEE Transactions on Circuits & Systems for Video Technology: Deputy EiC: Shipeng Li; AEs (Chia-Wen Lin (till Dec. 2013), Jianfei Cai (till Dec 2013), Wenwu Zhu (till Dec. 2013), Mladen Berekovic (till Dec. 2013), Gwo Giun Lee (till Dec. 2013), Jie Liang, Alexander Loui, Tian Sheuan Chang, Lap-Pui Chau, Shao-Yi Chien, Wenjun Zeng)
- IEEE Transactions on Circuits and System I, AE (Bin-Da Liu, Shao-Yi Chien)
- IEEE Transactions on Circuits and Systems-II AE (Bin-Da Liu)
- IEEE Journal on Emerging and Selected Topics in Circuits and Systems (JETCAS): Deputy EiC: Yen-Kuang Chen; Senior Editors: Julia Chung, Chang Wen Chen;
- IEEE Journal of Selected Topics in Signal Processing: Senior Editors (Anthony Vetro, Oscar Au) Guest Editors (Chia-Wen Lin, Enrico Magli, Homer Chen, Weisi Lin, Nam Ling)
- IEEE Trans. on Image Processing: AEs (Jianfei Cai, Anthony Vetro, Pascal Frossard)
- IEEE Signal Processing Letter (SPL), AE (Oscar Au, Jie Liang, Weisi Lin, Anthony Ho)
- IEEE Transactions on Mobile Computing: Steering Committee (Wenjun Zeng)
- IEEE SignView Video Library (SigView),AE (Oscar Au)
- APSIPA Transactions on Signal and Information Processing (TSIP). AE (Oscar Au)

- Journal of Visual Communication and Image Representation (JVCIR), Editor-in-Chief (Ming-Ting Sun), AE (Oscar Au, Zicheng Liu, Weisi Lin, Chia-Wen Lin)
- Springer Journal of Signal Processing Systems (JSPS). AEs (Oscar Au, Gwo Giun Lee, Yen-Kuang Chen)
- Academy Publisher Journal of Multimedia (JMM), Editorial board (Oscar Au)
- Elsevier Journal of Franklin Institute (JFI), AE(Oscar Au)
- Elsevier Journal of Information Security and Applications: Editor-in-Chief (Anthony Ho)
- Journal of Data Acquisition and Processing (JDAP), Editorial board (Oscar Au)
- Circuits, Systems, and Signal Processing (CSSP), AE (Weiyao Lin, Jie Liang, Bin-Da Liu, Shao-Yi Chien)
- IEEE Access, AE (Weiyao Lin), Founding AE (Yong Rui)
- EURASIP Journal on Image and Video Processing, AE(Jie Liang)
- Machine Vision and Applications, AE (Zicheng Liu)
- Signal Processing: Image Communication, AE (Jie Liang, Chia-Wen Lin)
- IEEE Transactions on Information Forensics and Security, Editor-in-Chief C.-C. Jay Kuo
- IEEE Transactions on Neural Networks and Learning Systems (TNNLS): Associate Editor: Pau-Choo Chung
- Multidimensional Systems and Signal Processing (MSSP): Associate Editor: Pau-Choo Chung
- Soft Computing (SOCO): Associate Editor: Pau-Choo Chung
- Advances in Multimedia, AE (Alexander Loui)
- China Communicators, Guest Editor (Ming-Ting Sun)
- Journal of Electrical and Computer Engineering: AE(Bin-Da Liu)
- ACM Transactions on Multimedia Computing, Communications and Applications (ACM TOMCCAP): AE (Yong Rui, Lexing Xie), Guest Editors: (Weisi Lin, Wenjun Zeng)
- International Journal of Multimedia Information Retrieval , Yong Rui, Founding Editor
- Springer Journal of Computer Science and Technology: Lead Area Chair (Wenwu Zhu)
- IEEE Journal on Selected Areas in Communication (JSAC): Senior Editor (Chang Wen Chen)
- Journal of Multidimensional Systems and Signal Processing (MSSP), AE (Nam Ling)
- IEEE Transactions on Broadcasting, AE (Lap-Pui Chau)
- IEEE Circuits and Systems Society Newsletter, AE (Lap-Pui Chau)

#### **Distinguished Lecturer:**

- Chia-Wen Lin (APSIPA)
- Oscar Au (APSIPA)
- Homer Chen (IEEE CAS, 2012-2013) delivered a talk in Aug. 2013 and Feb. 2014
- Weisi Lin (APSIPA)
- Yong Rui, ACM
- Wenwu Zhu, ACM
- Nam Ling (APSIPA)

#### **Keynote Speeches:**

- Moncef Gabbouj ,7th IEEE GCC Conference and Exhibition, GCC2013, 17-20 November 2013, Doha, Qatar
- Moncef Gabbouj ,International Conference on Computer, Control, Informatics and Its Application, IC3INA 2013, 19-20 November 2013, Jakarta, Indonesia
- Oscar Au: 19th International Conference on Multimedia Modeling (MMM 2013), 7-9 Jan. 2013, Huangshan, China
- Oscar Au: APSIPA Annual Summit and Conference (ASC), 29 Oct – 1 Nov. 2013, Kaohsiung, Taiwan, China.
- C.-C. Jay Kuo: Picture Coding Symposium, San Jose, December 10, 2013.
- C.-C. Jay Kuo: in IEEE China Summit and International Conference on Signal and Information Processing (ChinaSIP), Beijing, China, July 6-10, 2013.
- C.-C. Jay Kuo: Plenary speech in the 2nd International Workshop on Mathematical Issues in Information Science (MIIS), Xi'an, China, June 29-July 4, 2013
- Pau-Choo Chung, ", 2014 International Workshop on Advanced Image Technology (IWAIT 2014),

Bangkok, Thailand, January 6-8, 2014.

- Pau-Choo Chung , 9th International Conference on Natural Computation (ICNC 2013) and the 10th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD 2013), Shenyang, China, July 22-24, 2013.
- Thanos Stouraitis, CADs 2013
- Homer Chen, “Perceptual-inspired video processing: From digital camera to ubiquitous projection,” VCVp 2014
- Yong Rui:, Pacific Rim Multimedia (PCM), Dec. 2013.
- Yong Rui: The 5th Chinese Conference on Cloud Computing (CCCC), Guanzhou, Nov. 2013.
- Yong Rui: Computing in 21<sup>st</sup> Century, Academia Sinica, Taiwan, Dec. 2013.
- Chang Wen Chen: IET, ICT2014, Keynote, When Mobile Multimedia meets Cloud: Challenges and Future Directions
- Chang Wen Chen: IEEE ICIEA2014, Keynote, Mobile Social Media: Recent Advances and Challenges
- Nam Ling, VCVp
- Lexin Xie: Keynote, ACM Multimedia Workshop on Event-based Media Processing, 10/2013
- Anthony Ho: Keynote Speaker, 1st ACM Workshop on Information Hiding and Multimedia Security, 17-19 June 2013, Montpellier, France

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

- Thanos Stouraitis: CASS President
- Oscar Au: Board of Governor (BoG), APSIPA
- Oscar Au: Vice President, APSIPA
- C.-C. Jay Kuo, Board of Governor (BoG), IEEE SPG
- C.-C. Jay Kuo, President, APSIPA
- Pau-Choo Chung, Board of Governor, IEEE Tainan Section
- Pau-Choo Chung, AdCOM, IEEE Computational Intelligence Society (CIS)
- Pau-Choo Chung, Chair, Distinguished Lecturer Program (DLP), IEEE Computational Intelligence Society (CIS)
- Alexander Loui, Western Area Chair, IEEE Region 1
- Anthony Vetro, CASS Fellow Evaluation Committee
- Homer Chen, Board of Governor, APSIPA
- Bin-Da Liu , Board of Supervisors, IEEE Tainan Section
- Yong Rui, Chair, ACM SIG Multimedia Beijing Chapter
- Chang Wen Chen, IEEE CAS Board of Governor
- Moncef Gabbouj: IEEE CASS DSP TC Chair
- Yap-Peng Tan; IEEE VSPC TC Chair
- Pascal Frossard, IEEE SPS IVMSp TC Chair

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

- Moncef Gabbouj: Finnish Academy of Science and Letters
- Oscar Au: Best Student Paper Award, ICIP 2013, September
- C.-C. Jay Kuo: Dean’s Professor in Electrical Engineering-Systems, USC
- Zicheng Liu: Best paper award, 2014 ACM Symposium on Eye Tracking Research and Applications
- Tao Mei: IEEE Trans. on Multimedia Prize Paper Award 2013
- Tao Mei: , IEEE Circuits and Systems Society Circuits and Systems for Video Technology Best Paper Award 2014
- Alexander Loui: SPIE Fellow 2014
- Wenwu Zhu, SPIE fellow 2014
- Ling Guan, IEEE Canada C.C. Gotlieb Medal for Technical Achievement in Computer Science and Engineering
- Yong Rui, Executive Member, ACM SIG Multimedia
- Chang Wen Chen: Best Student Paper Award at ICME2013
- Nam Ling, Outstanding Overseas Scholar, Shanghai Univ of Electric Power
- Nam Ling, Distinguished Speaker of “Cui Ying Da Jiang Tang”, Lanzhou University
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### **Upcoming Event and Future Conference Activities**

- IEEE MMSP 2015, Xiamen, China.
- APSIPA ASC 2015, Hong Kong, China.
- IEEE ICME2015, Italy
- 8th Network and System Security (NSS 2014) Xi'an, China, October 16-18, 2014.
- International Workshop on Digital Watermarking (IWDW), Taiwan, October 1-4, 2014.
- 10th Intelligent Information Hiding and Multimedia Signal Processing, Kitakyushu, Japan, August 27-29, 2014
- 2015 Joint Conference of the International Workshop on Advanced Image Technology (IWAIT) and the International Forum on Medical Imaging in Asia (IFMIA), Tainan, Taiwan, January 11-13, 2015.
- Symposium on Digital Life Technologies (DLT 2014), Kaohsiung, Taiwan, June 20-21, 2014.
- 2014 IEEE World Congress on Computational Intelligence (WCCI 2014), Beijing, China, July 6-11, 2014.
- 2014 IEEE International Symposium on Computer, Consumer and Control (IS3C 2014), Taichung, Taiwan, June 10-12, 2014.
- The 12th International Conference on Advances in Mobile Computing & Multimedia (MoMM 2014), Kaohsiung, Taiwan, December 8-10, 2014.
- 2014 IEEE International Symposium on Computer, Consumer and Control (IS3C 2014), Taichung, Taiwan, June 10-12, 2014.