

## Technical Committee – Circuits and Systems for Communications (CASCOM)

Annual Report 6/2014 – 5/2015 - MAY 21, 2015 @ 17:00 GMT

TC Chair: Tokunbo Ogunfunmi

Secretary: Joseph R. Cavallaro

TC website: <http://ieee-cas.org/community/technical-committees/casctc>

### 1. TC memberships and appointments:

- a. CASCOM now has 64 TC members, and there are candidates for TC. The candidate will be voted by the members at the TC meeting at ISCAS in Lisbon in May 2015:
  - Liang Liu, Lund University, Sweden
  - Weiqiang Liu, Nanjing University of Aeronautics and Astronautics, China
  - Jaehyouk Choi, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Korea
  - Jin-Ku Kang, Inha University, Incheon, Korea
  - Ji-Hoon Kim, Chungnam National University (CNU), Daejeon, Korea
- b. TC co-chair members with 2 year period till May 2016:
  - TC Chair – Tokunbo Ogunfunmi (Santa Clara University, USA)
  - TC Vice-Chair (Chair-Elect) – Shoba Krishnan (Santa Clara University, USA)
  - TC Secretary – Joseph Cavallaro (Rice University, USA)
- c. New appointment for 2014-2016 TC co-chair members will be elected in TC meeting.

### 2. ISCAS 2015 involvements:

- a. The CASCOM track (Track 3) received 130 papers in 12 sub-tracks.
- b. Of the 130 papers that were submitted to our track, 63 papers were accepted (48% acceptance rate) in 9 lecture sessions and 5 poster sessions.
- c. 3 TC members served as CASCOM track co-chairs, Tokunbo Ogunfunmi, Shoba Krishnan, and Joseph R. Cavallaro.
- d. 32 TC members served as 2015 CASCOM track Reviewer Committee Members:  
Hassan Aboushady, Wael Badawy, Andreas Burg, Joseph R. Cavallaro, Ricardo Chaves, Sha Jin, Shoba Krishnan, Chang-Ho Lee, Hanho Lee, Li Li, Will Li, Liang Liu, Pui-In Mak, Andrea Neviani, Maire O'Neill, Tokunbo Ogunfunmi, Vassilis Paliouras, Fernando Rangel De Sousa, Wee Ser, Ming-Der Shieh, Gerald E. Sobelman, Christoph Studer, Murat Torlak, Lan-Da Van, Tao Wang, Zhongfeng Wang, Zhiyuan Yan, Kai Zhang, Chuan Zhang, Xinmiao Zhang, Tong Zhang, Jun Zhou.

### 3. Awards & honors received by TC members (based on feedback from TC members):

- a. Paul Ampadu, Member, IEEE CAS Board of Governors, 2014, 2015
- b. Joseph Cavallaro, Elected IEEE Fellow, 2015  
Joseph Cavallaro, Member, IEEE CAS Board of Governors, 2014
- c. Nam Ling, APSIPA Distinguished Lecturer (2014-2015).  
Nam Ling, Distinguished Professor, Xi'an U of Posts & Telecommunications (2015-2018).  
Nam Ling, Guest Professor, Tianjin University (2015-2017).
- d. Hsi-Pin Ma, IEEE Communications Society Outstanding Service Award, 2014
- e. Pui-In Mak, Distinguished Lecturer of IEEE Circuits and Systems Society
- f. Yehia Massoud, Elected IEEE Fellow, 2015
- g. Tokunbo Ogunfunmi, IEEE Meritorious Service Award for serving as Chair, Circuits and Systems for Education and Outreach (CASEO) Technical Committee (TC) of the IEEE Circuits and Systems society, 2011-2013, June 2014.

- h. Maire O'Neill, Elected Fellow of the Irish Academy of Engineering, 2015.
- i. Gerald Sobelman, Distinguished Lecturer, IEEE Circuits and System Society, Jan. 2013 – Dec. 2014
- j. Lan-Da Van: J. W. Qiu, T. H. Chiang, C. C. Lo, L. M. Lin, L. D. Van, Y. C. Tseng, and Y. T. Ching, "Continuous human location and posture tracking by multiple depth sensors," in Proc. IEEE International Conference on Internet of Things (iThings 2014), Sep., 2014, pp. 155-160, Taipei, Taiwan. [Best Paper Award]  
Lan-Da Van: 2014 Intel Taiwan Intelligent Systems Design Student Contest, 1st Prize. (As a supervisor).
- k. An-Yeu (Andy) Wu, Elected IEEE Fellow, 2015.  
An-Yeu (Andy) Wu, Best Paper Award, 2014 International Symposium on VLSI Design, Automation and Test (VLSI-DAT)
- l. Danella Zhao, IEEE CASS Outreach Initiative Grant

**4. TC members' service on journal editorial boards (based on feedback from TC members):**

- a. Paul Ampadu, IEEE Transactions VLSI, Associate Editor  
Paul Ampadu, IEEE Design and Text of Computers, Associate Editor
- b. Magdy Bayoumi, VLSI Signal Processing Journal, Springer, Associate Editor  
Magdy Bayoumi, VLSI Integration, Elsevier, Associate Editor
- c. Joseph Cavallaro, IEEE Transactions on Signal Processing, Associate Editor  
Joseph Cavallaro, IEEE Signal Processing Letters, Associate Editor  
Joseph Cavallaro Journal of Signal Processing Systems, Associate Editor
- d. Lap-Pui Chau, IEEE Transactions on Circuits and Systems for Video Technology, Associate editor  
Lap-Pui Chau, IEEE Transactions on Broadcasting, Associate editor  
Lap-Pui Chau, IEEE Circuits and Systems Society Newsletter, Associate editor  
Lap-Pui Chau, Springer Journal, The Visual Computer, Associate editor
- e. Chang-Ho Lee, VLSI Design journal editor
- f. Hanho Lee, Journal of Semiconductor Technology and Science, Associate Editor, 2014, 2015  
Hanho Lee, IEEE Journal, Associate Editor, 2014, 2015
- g. Zhengguo Li, IEEE Signal Processing Letters, Associate Editor
- h. Weisi Lin, IEEE Transactions on Image Processing, Associate Editor  
Weisi Lin, IEEE Signal Processing Letters, Associate Editor  
Weisi Lin, Elsevier J. of Vis. Comm. and Image Representation, Associate Editor  
Weisi Lin, IEEE Computer Graphics and Applications Magazine, Guest Editor  
Weisi Lin, IOS Press, Mobile Information Systems, Guest Editor
- i. Nam Ling, Multidimensional Systems and Signal Processing, Springer, Associate Editor  
Nam Ling, Human-centric Computing and Information Sciences, Springer, Associate Editor
- j. Pui-In Mak, IEEE Press (Jan 2014 - Dec 2016), Board Member,  
Pui-In Mak, IEEE Journal on Emerging and Selected Topics in Circuits and Systems (Jan 2014 - Dec 2015) Senior Editor  
Pui-In Mak, IEEE Transactions on Circuits and Systems I – Regular Papers (Jan 2014 - Dec 2015), Associate Editor
- k. Tokunbo Ogunfunmi, Ravi Ramachandran, and Joos Vandewalle, Guest Editors, Special Issue of IEEE Circuits & Systems Magazine, Third Quarter 2014. Special Issue Title: "Re-thinking Circuits and System Education: Exploring New Pedagogies and Approaches".  
Tokunbo Ogunfunmi, IEEE Trans. on Circuits & Systems II (TCAS-II), Associate Editor

- Tokunbo Ogunfunmi, IEEE Signal Processing Letters, (SPL). Senior Associate Editor  
 Tokunbo Ogunfunmi, Circuits, Systems and Signal Processing (CSSP), Associate Editor
- l. Maire O'Neill, Editorial Board member, International Journal of Reconfigurable Computing, Hindawi, 2011  
 Maire O'Neill, Guest Editor, ACM Transactions on Embedded Computing Systems, Special Issue on Embedded Platforms for Cryptography in the Coming Decade, 2015
  - m. Jongsun Park, Journal of Low Power Electronics and Applications (JLPEA), Associate Editor  
 Jongsun Park, Journal of Semiconductor Technology and Science (JSTS), Associate Editor
  - n. Wee Ser, Journal of Multidimensional Systems and Signal Processing (Springer), Associate Editor,  
 Wee Ser, British Journal of Health Informatics and Monitoring, 2014 – , Editorial Board  
 Wee Ser Trans. Machine Learning and Artificial Intelligence, 2014 – , Editorial Advisory Board,
  - o. Yichuang Sun, Lead Guest Editor for IEEE Transactions on Circuits and Systems-II, of Special Issue on Software Defined Radio Transceivers and Circuits for 5G Wireless Communications.  
 Yichuang Sun, Associate Editor of ETRI Journal
  - p. Cihan Tepedelenioglu, IEEE Transactions on Wireless Communications, Associate Editor
  - q. Lan-Da Van, Journal of Medical Imaging and Health Informatics (Associate Editor, Oct. 2014~present, SCI-IF (2012): 0.642)  
 Lan-Da Van, Journal of Medical Imaging and Health Informatics (Guest Editor, Special Issue on April 2015, with Prof. Zhang, SCI-IF (2012): 0.642)
  - r. Zhongfeng Wang, IEEE Transactions on VLSI, Associate Editor
  - s. An-Yeu (Andy) Wu, Journal of Signal Processing Systems (JSPS), Associate Editor
  - t. Qiaoyan Yu, Integration, the Journal of VLSI, Associate Editor  
 Qiaoyan Yu, Microelectronics Journal- Elsevier, Associate Editor  
 Qiaoyan Yu, Journal on Circuits, Systems, and Computers (JCSC), Associate Editor
  - u. Tong Zhang, Journal of Signal Processing Systems, Associate Editor.
  - v. Xinmiao Zhang, IEEE Transactions TCAS-1, Associate Editor.
  - w. Zhengya Zhang, IEEE Transactions on Circuits and Systems—I: Regular Papers, Associate editor  
 Zhengya Zhang, IEEE Transactions on Circuits and Systems—II: Express Briefs, Associate editor  
 Zhengya Zhang, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, Associate editor
  - x. Danella Zhao, Elsevier Journal on Computer Communications Technical Committee

**5. Conferences organized/chaired by TC members (based on feedback from TC members):**

- a. Magdy Bayoumi, General Chair, ICECS 2015, Dec. 6-9, Cairo, Egypt  
 Magdy Bayoumi, Steering Committee, IEEE Midwest Symposium on Circuits and System, ICECS
- b. Joseph Cavallaro, Technical Program Co-Chair, IEEE Global Conference on Signal and Information Processing, Data Flow Algorithms and Architecture for Signal Processing Systems, 2014.  
 Joseph Cavallaro, Chair, Student Paper Contest, 48th Asilomar Conference on Signal, Systems, and Computers, 2014.  
 Joseph Cavallaro, General Co-Chair, 2014 IEEE/ACM GLSVLSI, Houston, TX, 2014.
- c. Lap-Pui Chau, IEEE DSP 2015, General Co-Chairs Lap-Pui Chau, ICICS 2015, General Co-Chairs Lap-Pui Chau, APSIPA Annual Summit and Conference 2015, Special Session Co-Chairs
- d. Tzi-Dar Chiueh, Organizing Committee Chair, IEEE Asia Solid-State Circuits Conf. (A-SSCC) 2014
- e. Zhengguo Li, Technical Program Chair of IEEE ICIEA 2015
- f. Nam Ling, General Chair, SiPS 2015.  
 Nam Ling, General Co-Chair, Umedia 2015, General Co-Chair, Umedia 2014.

- g. Hsi-Pin Ma, TPC co-chair for e-Health Track of Selected Area in Communications in 2015 IEEE International Conference on Communications (ICC); TPC co-chair for 2014 IEEE International Conference on E-Health Networking, Applications & Services (Healthcom); Secretary for 2014 IEEE Asian Solid-State Circuits Conference (A-SSCC)
- h. Pui-In Mak, 2015 IEEE International Symposium on Circuits and Systems – ISCAS, Lisbon, Portugal, Special Session Co-Chair,
- i. Tokunbo Ogunfunmi, Special Session Organizer: Session on “Implementation Issues in Embedded Systems for Signal Processing Algorithms”, Technical Program Committee, IEEE DSP 2015 Conference, Singapore  
Tokunbo Ogunfunmi, Special Session Organizer: Special Session on “Speech Coding and Speech Recognition”, Technical Program Committee, Asilomar Conference on Signals, Systems and Computers, 2014
- j. Maire O'Neill, Program co-Chair for SIPS 2014.
- k. Jongsun Park, International SOC Conference (ISOCC) 2014, (Organizing committee - Special Session Chair)
- l. Fernando Rangel de Sousa, Analog/RF Track Chair for the 27th Symposium on Integrated Circuits and Systems Design (SBCCI 2014)
- m. Wee Ser, General Co-Chair, International Symposium on Microchemistry and Microsystems, ISMM, Singapore, 2014.
- n. Zhongfeng Wang, Organizer of a special session, DSP'2015  
Zhongfeng Wang, TPC and track chair for SOCC'2015  
Zhongfeng Wang, TPC and publication chair for SiPS'2015
- o. An-Yeu (Andy) Wu, Track Co-Chair (VSA) ISCAS 2014  
An-Yeu (Andy) Wu, TPC Co-Chair, 2014 International SoC Design Conference (ISOCC),  
An-Yeu (Andy) Wu, TPC Co-Chair, 2014 IEEE Asia Pacific Conf. on Circuits and Systems (APCCAS),
- p. Qiaoyan Yu, Publication chair, IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology System.
- q. Chuan Zhang, Organizers of special sessions at: ISCAS 2015; DSP 2015; SiPS 2015; ASICON 2015; SOCC 2015.
- r. Tong Zhang, General co-chair, Great Lakes Symposium on VLSI, 2014  
Tong Zhang, Finance co-chair of IEEE Workshop on Signal Processing Systems (SiPS): Design and Implementation, 2015
- s. Danella Zhao, TPC Chair, and Steering Committee, IEEE SOCC 2015  
Danella Zhao, Financial Chair, ACM/IEEE GLSVLSI 2015  
Danella Zhao, Special Program Chair, IEEE NATW 2015  
Danella Zhao, TPC Co-chair, track chairs, session chairs, and SoC Tech Tutorial School, all at IEEE SOCC 2014

**6. Participations in conference committees by TC members (based on feedback from TC members):**

Many of our TC members were active in many conference technical program committees, organizing committees, and served as many track chairs and session chairs. The list of participations is very long and therefore only selected information is listed here.

- a. Magdy Bayoumi, TPC for SiPS 2015, CONTEL 2015
- b. Joseph Cavallaro, TPC for ASAP 2015; Signal Processing for Communications Symposium, 2015 IEEE GLOBECOM; 2015 IEEE Workshop on Signal Processing Systems; 2015 IEEE ICASSP.
- c. Chang-Ho Lee, 2015 IEEE RFIC Subcommittee-10 chair (device and technologies)  
Chang-Ho Lee, 2015 IEEE RFIC Student competition judge  
Chang-Ho Lee, PAWR 2016 Subcommittee
- d. Andrea Neviani, Technical Committee of the European Solid-State Circuits Conference

- e. Hanho Lee, Session chair, 2014 IEEE Asia Pacific conference on Circuits and Systems (APCCAS'2014)  
Hanho Lee, Session chair, ISOCC'2014  
Hanho Lee, Technical Program Vice Chair, 2014 International SoC Design Conference (ISOCC2014)  
Hanho Lee, Technical Program Track chair, International Symposium on Communications and Information Technologies (ISCIT 2014)
- f. Weisi Lin, QoMEX 6th International Workshop on Quality of Multimedia Experience (QoMEX), Technical Co-Chair  
Weisi Lin, IEEE International Conference on Image Processing (ICIP 2015), Area Chair  
Weisi Lin, IEEE Int'l Conf. Multimedia and Expo (ICME 2015), Area Chair  
Weisi Lin, Pacific-Rim Conf. On Multimedia (PCM), 2015, Tutorial Co-Chair
- g. Nam Ling, International Advisory Committee, ICIEA 2014.  
Nam Ling, America Liaison, MMSP 2014.
- h. Hsi-Pin Ma, TPC for: IEEE Global Communications Conference (GLOBECOM): Signal Processing for Communications Symposium and Selected Areas in Communications Symposium  
Hsi-Pin Ma, IEEE International Conference on Communications (ICC): Signal Processing for Communications Symposium and Wireless Communications Symposium: 2015.  
Hsi-Pin Ma, IEEE Vehicular Technology Conference (VTC) 2015; IEEE International Conference on Computing, Networking & Communications (ICNC): Signal Processing for Communications Symposium 2015; IEEE International Conf. on VLSI Design, Automation and Test (VLSI-DAT) 2015
- i. Tokunbo Ogunfunmi, Special Session Chair, Technical Program Committee, IEEE International Conference on Internet of Things (IEEE IoT 2014), Seoul, Korea, 2014
- j. Maire O'Neill, DATE, SiPS, IET ISSC, Technical Program Committee
- k. Jongsun Park, ASP-DAC 2015 (TPC), ISCAS 2015 (Session Chair)  
Jongsun Park, International Conference on VLSI Design 2015 (TPC)
- l. Fernando Rangel de Sousa, 4th Workshop on Circuits and System Design - WCAS 2014  
21st IEEE International Conference on Electronics Circuits and Systems - ICECS2014  
5th IEEE Latin American Symposium on Circuits and Systems- LASCAS 2014
- m. Wee Ser, TPC member International Conference on Signal Processing and Multimedia Applications", SIGMAP, 2014.  
Wee Ser, Conference Track/Session Chairs, IEEE ISCAS, IEEE ICASSP, IEEE ICICS, VTC, ICCS, etc.
- n. Gerald Sobelman, TPC member for the 11th International Conference on ASIC (ASICON) 2015
- o. Ram Sridhar, Steering Committee, IEEE System on Chip Conference; TPC member MilCom 2015
- p. Yichuang Sun, TPC of ECCTD 2015; IEEE PIMRC 2014, 2015;  
Yichuang Sun, TPC of IARIA Intl. Conf. on Wireless and Mobile Communications, 2014, 2015
- q. Murat Torlak, Poster Session Chair, TxACE Analog Symposium, Oct. 20, 2014,
- r. Lan-Da Van, IEEE ISCAS, TPC Member 2014, Nanoelectronics and Gigascale Systems, and VSA
- s. Zhongfeng Wang, TPC for ASICON 2015  
Zhongfeng Wang, RCM for ICASSP 2014.
- t. An-Yeu (Andy) Wu, TPC and Session Chair, 2014 IEEE Asian Solid-State Circuit Conf. (A-SSCC),
- u. Chuan Zhang, TPC member for ASQED2015 and SiPS2015  
Chuan Zhang, Session Chair for WCSP2014, ASICON2014, and ISCAS2015
- v. Xinmiao Zhang, TPC for IEEE ICC 2015, GlobalSip 2015, SiPS 2015, DCOSS 2015
- w. Zhengya Zhang, TPC, IEEE SiPS 2015, IEEE ICASSP 2015.

## 7. Books published by TC members:

- a. L. Xu, Weisi Lin, and C.-C. Jay Kuo, Visual Quality Assessment by Machine Learning, Springer, 2015
- b. Juan Hu, Yi Fang, Nam Ling, and Li Song, "Topic Modeling for Large-Scale Multimedia Analysis and Retrieval," Chapter 19 in Big Data: Algorithms, Analytics, and Applications, Kuan-Ching Li, Hai

- Jiang, Laurence T. Yang, Alfredo Cuzzocrea, ed., Chapman & Hall/CRC Big Data Series, CRC Press, Taylor & Francis Group, USA, 2015.
- c. Tokunbo Ogunfunmi, Roberto Togneri and Sim Narasimha (Editors.), Speech and Audio Processing for Coding, Enhancement and Recognition; Book ID 310948; ISBN 978-1-4939-1455-5, Springer Publishers, 2015.  
Tokunbo Ogunfunmi and Koji Seto, Scalable and MultiRate Speech Coding for VoIP Networks, in Speech and Audio Processing for Coding, Enhancement and Recognition; Book ID 310948; ISBN 978-1-4939-1455-5, Springer Publishers, 2015. (Book Chapter)
  - d. Lan-Da Van, Intel® Atom™ Platform: Intelligent Systems Development and Applications, Editor: Lan-Da Van, Library & Book, 2014. (in Traditional Chinese, Sponsored by Intel, ISBN 978-986-90988-3-0)
  - e. Xinmiao Zhang, VLSI Architectures for Modern Error-Correcting Codes, CRC Press, 2015.

**8. Invited talks by TC members (based on feedback from TC members):**

- a. Magdy Bayoumi, Keynote Talks: IEEE Michigan section, Fall meeting; M2M workshop, National Taiwan University; EEE SPIN Conference, Delhi, India, March 2015; Royal College of Engineering conf., India, April 2015
- b. Lap-Pui Chau, Computer Graphics International (CGI 2015), 24-26 June 2015
- c. Weisi Lin, QoMEX, 7th International Workshop on Quality of Multimedia Experience (QoMEX), 2015, Just Noticeable or Not: More Questions than Answers, 26 - 29 May 2015
- d. Nam Ling, "3D Video Coding and its Applications: The New Generation," Keynote Speech, the 2014 Workshop on Image and Video Processing for Applications in Electronic Information Scene Investigation, Xi'an, China, October 20 – 22, 2014.  
Nam Ling, "The Next Generation of 3D Video Coding Technology," Keynote Speech, Umedia 2014, Ulaanbaatar, Mongolia, July 12 – 14, 2014.  
Nam Ling, "3D Video Coding and its Related Research," APSIPA Distinguished Lecture, School of Electronic Information Engineering, Tianjin University, Tianjin, China, April 20, 2015.  
Nam Ling, "3D Video Coding and Our Related Research," School of Telecommunication and Information Engineering, Xi'an University of Posts and Telecommunications, Xi'an, China, April 16, 2015.
- e. Tokunbo Ogunfunmi, Tutorial: Principles of Adaptive Filters: Recent Advances and Open Problems, Proceedings of the 2014 IEEE International Symposium on Circuits and Systems (ISCAS), Melbourne, Australia June 2014.  
Tokunbo Ogunfunmi, Tutorial: Linear and Nonlinear Adaptive Filters, Proceedings of the 2014 IEEE Midwest Symposium on Circuits and Systems (MWSCAS), College Station, TX, August 2014.
- f. Maire O'Neill, Invited Lecture on 'Security in a Post-Quantum World' at the JS Bell Festival, Queen's University, Belfast, November 2014.  
Maire O'Neill, Invited speaker on 'Practical Cryptography' at the UK Royal Academy of Engineering AGM, Sept. 2014
- g. Gerald Sobelman, "Recent Research Activities in VLSI for Communications," RMIT University, Melbourne, Australia, June, 2014.  
Gerald Sobelman, "Communications in the Smart Grid," Department of Electronics, Sun Yat-sen University, Guangzhou, China, November, 2014.
- h. Murat Torlak, "Realizing Interference Alignment – Practical Concerns (Half Day Tutorial)," Proc. IEEE Int. Sym. On Personal, Indoor, and Mobile Radio Comm., Sept. 2, 2014, Washington, D.C., (co-presented with Prof. Cenk Yetis)
- i. Murat Torlak, "Two Dimensional Array Imaging with Beam Steered Data," eSeminar hosted by SRC/TxACE, Richardson, TX, Sept. 26, 2014.
- j. Chuan Zhang, Invited lecture at the Asilomar Conference on Signals, Systems, and Computers 2014.

- k. Danella Zhao, Invited Elevator talk on “Wireless Testing with Inductive Coupling” in 32nd IEEE VLSI Test Symposium, 2014;  
Danella Zhao, Invited talk on “Embedded Nanocomputing: Small Devices, Large On-chip Communication Challenges” in JSPS Multidisciplinary Science Forum

**9. Others professional activity by TC members (based on feedback from TC members):**

Many of our TC members were active as reviewers for several journals and conferences. The list of participations is very long, and therefore only a selected portion is listed here.

- a. Paul Ampadu, CAS Young Professionals Committee, Co-Chair
- b. Joseph Cavallaro, Member, IEEE SPS Design and Implementation Technical Committee,  
Joseph Cavallaro, Past-Chair, IEEE Computer Society VLSI TC  
Joseph Cavallaro, Student Branch Advisor, IEEE Chapter at Rice University,  
Joseph Cavallaro, Chair, IEEE Houston Section Circuits and Systems Society  
Joseph Cavallaro, Co-Chair, IEEE CAS Plagiarism Committee
- c. Ut-Va Koc, Reviewer for TCAS-I and DSP2015 for 2014-15.
- d. Chang-Ho Lee, “An EDGE/GSM Quad-Band CMOS Power Amplifier” , IEEE Journal of solid state, Volume: 49 , Issue: 10
- e. Hanho Lee, Reviewer for IEEE Transaction on Circuits and System 1, 2, IEEE Transaction on VLSI Systems, IEEE Transaction on Signal Processing, Journal of Signal Processing Systems, APCCAS’2014, SiPS’2014, ISOC’2014  
Hanho Lee, Secretary for IEEE Circuits and Systems Society Seoul Chapter  
Hanho Lee, Secretary for IEIE Semiconductor Society  
Hanho Lee, Technical Committee Member, VSA TC
- f. Weisi Lin, IEEE ICME Steering Committee
- g. Nam Ling, IEEE ICME Steering Committee (2014-2015)
- h. Hsi-Pin Ma, Secretary of e-Health Technical Committee (TC) in IEEE Communications Society (ComSoc), 2014-2015. Secretary of Asia Pacific Region in IEEE Communications Society (ComSoc), 2014-2015.  
Hsi-Pin Ma, e-Health TC Liaison for Standard Development Board in IEEE Communications Society (ComSoc), 2014. Technical Committee Member for e-Health TC in IEEE Communications Society (ComSoc), Technical Committee Member for Signal Processing and Communications Electronics (SPCE) TC in IEEE Communications Society (ComSoc), Technical Committee Member for Wireless Communications TC in IEEE Communications Society (ComSoc).
- i. Fernando Rangel de Sousa, Reviewer for IEEE Transactions on Microwave theory and techniques; IEEE Transactions on Instrumentation and Measurements; Journal of Analog Integrated Circuits and Signal Processing
- j. Fernando Rangel de Sousa, Chair of the IEEE Technical Chapter IM09/CAS04/COM19 (Brazil South Section)
- k. Wee Ser, Reviewer for: IEEE TCAS-1, IEEE Transactions on Signal Processing, IEEE Transactions on Audio, Speech and Language Processing, IEEE Transactions on Antenna and Propagation, IEE Signal Processing Letters, EURASIP (Advances in Signal Processing), IEEE Transactions on Control Systems Technology, Journal of Multidimensional Systems and Signal Processing (Springer), ETRI
- l. Yichuang Sun, Reviewer for: IEEE TCAS-II, IEEE Com Mag, IEEE TCOM, IET Com, ICC, PIMRC, ISCAS, MWSCAS
- m. Cihan Tepedelenlioglu, Member IEEE Signal Processing Society SPCOM TC.
- n. Zhongfeng Wang, Reviewer for SiPS, Science China, TCOMM, EURASIP Journal on advances in signal processing
- o. Qiaoyan Yu, Reviewer for IEEE ISCAS, IEEE Trans, CAD, IEEE Trans. VLSI.
- p. Chuan Zhang, Reviewers for IEEE Transactions on Communication, IEEE Transactions on Wireless Communication, IEEE Transactions on Circuits and Systems I, IEEE Transactions on Circuits and

- Systems II, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, IEEE Transactions on Signal Processing
- q. Xinmiao Zhang, Chair, IEEE Seasonal Schools in Signal Processing program.
  - r. Danella Zhao, Reviewer for IEEE Trans. on Parallel and Distributed Systems (TPDS), IEEE Trans. on CAD (TCAD), IEEE Trans. on Reliability (TR) Special Section on Trustworthy Computing, IEEE Trans. on VLSI (TVLSI), ACM Transactions on Embedded Computing Systems (TECS), ACM Journal of Emerging Technologies in Computing Systems (JETC), IEEE Internet of Things Journal, Integration - the VLSI Journal
- Danella Zhao, Reviewer for DAC, ASP-DAC, ICCCN, SOCC, ISCAS, ATS, NATW, WRTL, ICSEC, ISCAS
- Danella Zhao, Best Paper Award Selection Committee, and 10-Year Retrospective Most Influential Paper Award Selection Committee, ASP-DAC 2015