

## **PROFESSIONAL ACTIVITIES – Nam Ling**

### **(1) MAJOR PROFESSIONAL LEADERSHIP POSITIONS:**

- 1. General Co-Chair**, 12th International Conference on Ubi-Media Computing (Umedia), Bali, Indonesia, August 6-9, 2019.
- 2. General Co-Chair**, 4th International Symposium on Security and Privacy in Social Networks and Big Data (SocialSec), Santa Clara, California, U.S.A, December 10-11, 2018.
- 3. General Co-Chair**, 11th International Conference on Ubi-Media Computing (Umedia), Nanjing, China, August 22 – 25, 2018.
- 4. Honorary Co-Chair**, 10th International Conference on Ubi-Media Computing and Workshops (Umedia), Pattaya, Thailand, August 1 - 4, 2017.
- 5. General Co-Chair**, 9th International Conference on Ubi-Media Computing (Umedia), Moscow, Russia, August 15 - 17, 2016.
- 6. General Chair**, 2015 IEEE Workshop on Signal Processing Systems (SiPS), Hangzhou, China, October 14 - 16, 2015.
- 7. General Co-Chair**, 8th International Conference on Ubi-Media Computing (Umedia), Colombo, Sri Lanka, August 24 – 25, 2015.
- 8. General Co-Chair**, 7th International Conference on Ubi-Media Computing (Umedia), Ulaanbaatar, Mongolia, July 12 – 14, 2014.
- 9. General Co-Chair**, 2nd International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, January 21 – 23, 2014.
- 10. Technical Program Co-Chair**, 2013 IEEE Visual Communications and Image Processing Conference (VCIP), Kuching, Sarawak, Malaysia, November 17 - 20, 2013.
- 11. General Chair**, 2013 IEEE International Conference on Multimedia and Expo (ICME), San Jose, California, USA, July 15 – 19, 2013. (ICME is the flagship conference on multimedia research for the IEEE and is sponsored by four of the largest IEEE societies – Computer, Communications, Signal Processing, and Circuits and Systems.)
- 12. Technical Program Co-Chair**, 2010 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), Singapore, December 14 – 17, 2010.
- 13. Technical Program Co-Chair**, 2010 IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Kuala Lumpur, Malaysia, December 6 – 9, 2010.
- 14. General Co-Chair**, 1st International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, November 26 - 28, 2008.
- 15. Technical Committee Chair**, IEEE Circuits and Systems Society Circuits and Systems for Communications Technical Committee, May 2006 – May 2008. (Technical Committee Chair-Elect during May 2005 – May 2006).
- 16. Technical Program Co-Chair**, 2007 IEEE International Symposium on Circuits and Systems (ISCAS), New Orleans, Louisiana, U.S.A, May 27 – 30, 2007. (ISCAS is the flagship conference of the IEEE Circuits and Systems Society, ISCAS 2007 has 1,826 papers submitted and an attendance of about 1,300.)

17. **Program Co-Chair**, 2007 IEEE Workshop on Signal Processing Systems (SiPS), Shanghai, China, October 17 – 19, 2007.
18. **Track Co-Chair (Track on Circuits and Systems for Communications), Technical Program Committee**, 2006 IEEE International Symposium on Circuits and Systems (ISCAS), Island of Kos, Greece, May 21 – 24, 2006.
19. **Track Co-Chair (Track on Circuits and Systems for Communications), Technical Program Committee**, 2005 IEEE International Symposium on Circuits and Systems (ISCAS), Kobe, Japan, May 23 – 26, 2005.
20. **Track Co-Chair (Track on Circuits and Systems for Communications), Technical Program Committee**, 2004 IEEE International Symposium on Circuits and Systems (ISCAS), Vancouver, Canada, May 23 - 26, 2004.
21. **Program Chair**, Third International Workshop on Digital and Computational Video (DCV), Clearwater Beach, Florida, USA, November 14-15, 2002.
22. **Program Co-Chair**, 2000 IEEE Workshop on Signal Processing Systems (SiPS), Lafayette, Louisiana, USA, October 11-13, 2000.
23. **General Chair**, IEEE Hot Chips Symposium VII, Stanford University, Stanford, California, USA, August 13-15, 1995. (Hot Chips VII has a total attendance of about 1,000 and reported by media such as World Journal, EE Times, and San Jose Mercury News.)
24. **Chair**, IEEE Computer Society Technical Committee on Microprocessors and Microcomputers, 1993 - 1995.
25. **Vice Chair**, IEEE Hot Chips Symposium VI, Stanford University, Stanford, California, USA, August 14-16, 1994.

**(2) EDITORSHIPS IN MAJOR JOURNALS:**

26. **Guest Editor**, International Journal of Web and Grid Services (IJWGS) (Special Issue on Web of Things (WoT) and its Intelligent Data Processing Services), Inderscience Publishers, 2019-2020.
27. **Guest Editor**, IEEE Access (Special Section on Recent Advances in Video Coding and Security), 2018 – 2019.
28. **Associate Editor**, Human-centric Computing and Information Sciences, Springer, 2014 – present.
29. **Associate Editor**, Multidimensional Systems and Signal Processing: An International Journal (MSSP), Springer, 2012 – 2017.
30. **Advisory Board Member**, International Journal of Computational Science and Engineering, Inderscience Publishers, July 2016 – present.
31. **Guest Editor**, IEEE Journal of Selected Topics in Signal Processing (Special Issue on Video Coding: HEVC and Beyond), Vol. 7 No. 6, December 2013.
32. **Guest Co-Editor**, Journal of Signal Processing Systems for Signal, Image, and Video Technology (Special Issue: SoC for Multimedia Networking), Vol. 60, No. 3, Springer, September 2010. (Online version published May 2009).
33. **Editor of the Editorial Board**, Journal of Internet Technology, 2004 – 2009, 2011 - present.
34. **Member of the Editorial Board**, International Journal of Internet Protocol Technology, Inderscience Publishers, 2005 – 2008.

35. **Guest Co-Editor**, Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology (Special Issue on Digital and Computational video), Vol. 42, No. 1, Springer, January 2006.
36. **Associate Editor** (Signal Processing and Multimedia), IEEE Transactions on Circuits and Systems – I: Fundamental Theory and Applications, January 2002 – December 2003.

**(3) DISTINGUISHED LECTURER POSITIONS:**

37. **APSIPA Distinguished Lecturer**, January 2014 – December 2015.
38. **IEEE Distinguished Lecturer** (IEEE Circuits and Systems Society), January 2007 – December 2008.
39. **IEEE Distinguished Lecturer** (IEEE Circuits and Systems Society), January 2002 – December 2003.

**(4) POSITIONS IN CONFERENCE STEERING, ORGANIZING, AND PROGRAM COMMITTEES:**

40. **International Advisory Committee Member**, The 15<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Kristiansand, Norway, November 9-13, 2020.
41. **Tutorial Chair**, 32nd IEEE International System-on-Chip Conference, Singapore, September 3-6, 2019.
42. **International Advisory Committee Member**, The 14<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Xi'an, China, June 19 - 21, 2019.
43. **International Advisory Committee Member**, The 13<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Wuhan, China, May 31 – June 2, 2018.
44. **International Advisory Committee Member**, The 12<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Siem Reap, Cambodia, June 18 – 20, 2017.
45. **Exhibit Chair and Demo Chair**, The 42<sup>nd</sup> IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), New Orleans, Louisiana, March 5 – 9, 2017.
46. **International Advisory Committee Member**, The 11<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Hefei, China, June 5 - 7, 2016.
47. **Technical Committee Representative to the ICME Steering Committee** - representative of the IEEE Circuits and Systems Society Multimedia Systems and Applications Technical Committee to the IEEE International Conference on Multimedia and Expo (ICME) Steering Committee, term: January 1, 2014 – December 31, 2015.
48. **International Advisory Committee Member**, The 10<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Auckland, New Zealand, June 15 - 17, 2015.
49. **America Liaison**, 2014 IEEE International Workshop on Multimedia Signal Processing (MMSP), Jakarta, Indonesia, September 22 – 24, 2014.
50. **International Advisory Committee Member**, The 9<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Hangzhou, China, June 9 – 11, 2014.
51. **International Advisory Committee Member**, The 9<sup>th</sup> International Conference on Information, Communications and Signal Processing (ICICS), Tainan, Taiwan, December 10 – 13, 2013.
52. **International Advisory Committee Member**, The 8<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Melbourne, Australia, June 19 – 21, 2013.

53. **International Advisory Committee Member**, The 7<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Singapore, July 18 - 20, 2012.
54. **Best Paper Award Committee Member**, The 7<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Singapore, July 18 - 20, 2012.
55. **Tutorial Co-Chair**, 2012 IEEE International Symposium on Circuits and Systems (ISCAS), Seoul, South Korea, May 20 – 23, 2012.
56. **Technical Program Committee Member**, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 12 - 15, 2012.
57. **Technical Program Committee Member**, 2011 International Conference on Advanced Intelligence and Awareness Internet (AIAI), Shenzhen, China, October 28 -30, 2011.
58. **Technical Program Committee Member**, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 9 - 12, 2011.
59. **Publicity Co-Chair**, 2010 IEEE International Symposium on Multimedia (ISM), Taichung, Taiwan, December 13 – 15, 2010.
60. **Technical Program Committee Member**, 2010 IEEE Workshop on Signal Processing Systems (SiPS), San Francisco Bay Area, California, USA, October 6 – 8, 2010.
61. **Technical Program Committee Member**, 2010 IEEE International Conference on Multimedia and Expo (ICME), Singapore, July 19 – 23, 2010.
62. **Technical Program Committee Member**, SPIE Visual Communications and Image Processing 2010 (VCIP), Huang Shan, China, July 11 – 14, 2010.
63. **International Advisory Committee Member**, The 5<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Taichung, Taiwan, June 15 – 17, 2010.
64. **Technical Program Committee Member**, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 9 - 13, 2010.
65. **Organizing Committee Member (Registration)**, 2009 IEEE International Conference on Image Processing (ICIP), Cairo, Egypt, November 7 – 11, 2009.
66. **Technical Program Committee Member**, 2009 IEEE Workshop on Signal Processing Systems (SiPS), Tampere, Finland, October 7 - 9, 2009.
67. **Technical Program Committee Member**, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 10 - 14, 2009.
68. **Steering Committee Member**, IEEE International Symposium on Circuits and Systems (ISCAS), 2008.
69. **Technical Program Committee Member**, 1st International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, November 26 - 28, 2008.
70. **Technical Program Committee Member**, 2008 IEEE Workshop on Signal Processing Systems (SiPS), Washington, D.C., USA, October 8 - 10, 2008.
71. **Technical Program Committee Member**, IEEE International Conference on Circuits and Systems for Communications (ICCSC), Shanghai, China, May 26 - 28, 2008.

72. **Review Committee Member**, 2008 IEEE International Symposium on Circuits and Systems (ISCAS), Seattle, Washington, USA, May 18 - 21, 2008.
73. **Technical Program Committee Member**, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 9 - 13, 2008.
74. **Technical Program Committee Member**, Multimedia Compression and Optimization Track, Pacific-Rim Conference on Multimedia (PCM), Hong Kong, China, December 11 – 14, 2007.
75. **Technical Program Committee Member**, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 10 - 14, 2007.
76. **Technical Program Committee Member**, 2006 IEEE Workshop on Signal Processing Systems (SiPS), Banff, Alberta, Canada, October 2 – 4, 2006.
77. **Technical Program Committee Member and Review Committee Member**, 2006 IEEE International Symposium on Circuits and Systems (ISCAS), Island of Kos, Greece, May 21 – 24, 2006.
78. **Program Committee Member**, Picture Coding Symposium 2006 (PCS), Beijing, China, April 24 – 26, 2006.
79. **Technical Program Committee Member**, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 9 - 11, 2006.
80. **Technical Program Committee Member**, 2005 International Symposium on Intelligent Signal Processing and Communications Systems, Hong Kong, China, December 13 – 16, 2005.
81. **International Program Committee Member**, Fifth International Conference on Information, Communications and Signal Processing, Bangkok, Thailand, December 6 – 9, 2005.
82. **Technical Program Committee Member**, 2005 IEEE Workshop on Signal Processing Systems (SiPS), Athens, Greece, November 2 – 4, 2005.
83. **Technical Program Committee Member and Review Committee Member**, 2005 IEEE International Symposium on Circuits and Systems (ISCAS), Kobe, Japan, May 23 - 26, 2005.
84. **Technical Program Committee Member**, 2004 IEEE Workshop on Signal Processing Systems (SiPS), Austin, Texas, U.S.A, October 13 – 15, 2004.
85. **Technical Program Committee Member and Review Committee Member**, 2004 IEEE International Symposium on Circuits and Systems (ISCAS), Vancouver, Canada, May 23 - 26, 2004.
86. **Program Committee Member**, 2003 IEEE Workshop on Signal Processing Systems (SiPS), Seoul, Korea, August 27 - 29, 2003.
87. **Review Committee Member**, 2003 IEEE International Symposium on Circuits and Systems (ISCAS), Bangkok, Thailand, May 25 - 28, 2003.
88. **Publication Co-Chair**, Workshop and Exhibition on MPEG-4, San Jose, California, USA, June 25 - 27, 2002.
89. **Technical Program Committee Member**, 2002 IEEE International Symposium on Circuits and Systems (ISCAS), Scottsdale, Arizona, USA, May 26-29, 2002.
90. **International Program Committee Member**, Third International Conference on Information, Communications and Signal Processing, Singapore, October 15 – 18, 2001.

91. **Program Committee Member**, 2001 IEEE Workshop on Signal Processing Systems (SiPS), Antwerp, Belgium, September 26-28, 2001.
  92. **Publication Co-Chair**, Workshop and Exhibition on MPEG-4, San Jose, California, USA, June 18 – 20, 2001.
  93. **Technical Program Committee Member**, 2001 IEEE International Symposium on Circuits and Systems (ISCAS), Sydney, Australia, May 6-9, 2001.
  94. **Chair, Student Paper Contest Panel**, 2000 IEEE Workshop on Signal Processing Systems (SiPS), Lafayette, Louisiana, USA, October 11-13, 2000.
  95. **Technical Program Committee Member**, 2000 IEEE International Symposium on Circuits and Systems (ISCAS), Geneva, Switzerland, May 28-31, 2000.
  96. **Technical Program Committee Member**, 1999 IEEE International Symposium on Circuits and Systems (ISCAS), Orlando, Florida, USA, May 30 – June 2, 1999.
  97. **Program Committee Member**, 8th Great Lakes Symposium on VLSI, Lafayette, Louisiana, USA, February 19-21, 1998.
  98. **Member (at large)**, Organizing Committee, IEEE Hot Chips Symposium IX, Stanford University, Stanford, California, USA, August 24-26, 1997.
  99. **Member (at large)**, Organizing Committee, IEEE Hot Chips Symposium VIII, Stanford University, Stanford, California, USA, August 18-20, 1996.
  100. **Technical Program Committee Member**, 37th Midwest Symposium on Circuits and Systems, Lafayette, Louisiana, USA, August 3 -5, 1994.
  101. **Publication Chair**, IEEE Hot Chips Symposium V, Stanford University, Stanford, California, USA, August 8-10, 1993.
  102. **Digest Chair**, IEEE Hot Interconnects Symposium, Stanford University, Stanford, California, USA, August 5-7, 1993.
  103. **Publication Chair**, IEEE Hot Chips Symposium IV, Stanford University, Stanford, California, USA, August 9-11, 1992.
  104. **Publication Chair**, IEEE Hot Chips Symposium III, Stanford University, Stanford, California, USA, August 26-27, 1991.
  105. **Registration Chair**, IEEE Hot Chips Symposium II, Santa Clara University, Santa Clara, California, USA, August 20-21, 1990.
- (5) CHAIRMANSHIPS IN CONFERENCE SESSIONS AND ORGANIZERS OF SPECIAL SESSIONS:**
106. **Session Chair**, Session U7, 12th International Conference on Ubi-Media Computing (Umedia), Bali, Indonesia, August 6 - 9, 2019.
  107. **Session Co-Organizer and Session Co-Chair**, Session on “Signal Processing for Signal/Video and IoT Energy,” 2018 IEEE Workshop on Signal Processing Systems (SiPS), Cape Town, South Africa, October 21 – 24, 2018.
  108. **Session Chair**, Session U5, 11th International Conference on Ubi-Media Computing (Umedia), Nanjing, China, August 22 – 25, 2018.

- 109. Keynote Session Chair**, First Keynote (replacing Timothy K. Shih), 11th International Conference on Ubi-Media Computing (Umedia), Nanjing, China, August 22 – 25, 2018.
- 110. Session Chair**, Session U4, 10th International Conference on Ubi-Media Computing and Workshops (Umedia), Pattaya, Thailand, August 1 - 4, 2017.
- 111. Session Chair**, Session on “Telepresence,” Workshop on Hot Topics in 3D Multimedia (replacing Jong-Seok Lee), 2015 IEEE International Conference on Multimedia and Expo (ICME), Torino, Italy, June 29 – July 3, 2015.
- 112. Session Chair**, Session on “Visual Signal Processing,” 2015 10<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA), Auckland, New Zealand, June 15 – 17, 2015.
- 113. Session Chair**, Session on “Advanced Image/Video Coding,” 2015 IEEE International Symposium on Circuits and Systems (ISCAS), Lisbon, Portugal, May 24 - 27, 2015.
- 114. Session Chair**, Session on “Classification and Recommendation,” 2014 IEEE International Workshop on Multimedia Signal Processing (MMSp), Jakarta, Indonesia, September 22 – 24, 2014.
- 115. Keynote Session Chair**, “Perception Inspired Video Processing: From Digital Camera to Ubiquitous Projection,” 2nd International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, January 21 – 23, 2014.
- 116. Session Chair**, All Sessions in Day 3 of the Workshop, 2nd International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, January 21 – 23, 2014.
- 117. Keynote Session Chair**, Keynote Speech entitled “Recent Developments in Visual Saliency Detection and Salient Object Segmentation,” 2013 IEEE Visual Communications and Image Processing Conference (VCIP), Kuching, Sarawak, Malaysia, November 17 - 20, 2013.
- 118. Session Chair**, Session on “Image Processing Techniques & SS on Perception-Driven Image and Video Processing for Visual Communication Systems,” 2013 IEEE Visual Communications and Image Processing Conference (VCIP), Kuching, Sarawak, Malaysia, November 17 - 20, 2013.
- 119. Keynote Session Chair**, Keynote Speech entitled “Advances of Media Technology in Modern Computing,” 2013 IEEE International Conference on Multimedia and Expo (ICME), San Jose, California, U.S.A, July 15 – 19, 2013.
- 120. Session Chair**, Session on “High Efficiency Video Coding (I),” 2012 IEEE Visual Communications and Image Processing Conference (VCIP), San Diego, California, U.S.A, November 27 – 30, 2012.
- 121. Keynote Session Chair**, Keynote Speech entitled “Robots and the Human,” 2010 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), Singapore, December 14 – 17, 2010.
- 122. Keynote Sessions Chair**, all Keynote Speeches for Day 1, 2010 IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Kuala Lumpur, Malaysia, December 6 – 9, 2010.
- 123. Session Co-Chair**, Session on “Visual Signal Coding and Communications,” 2010 IEEE International Symposium on Circuits and Systems (ISCAS), Paris, France, May 30 – June 2, 2010.
- 124. Session Chair**, Session on “Transcoding,” 2009 IEEE International Conference on Image Processing (ICIP), Cairo, Egypt, November 7 – 11, 2009.
- 125. Session Chair**, Session on “DSP Implementations I,” 2009 IEEE Workshop on Signal Processing Systems (SiPS), Tampere, Finland, October 7 - 9, 2009.

- 126.Session Chair**, Session on “Advanced Video Compression & Processing Techniques,” 2008 IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Macao, China, November 30 – December 3, 2008.
- 127.Keynote Session Chair**, Keynote Speech entitled “Video Compression and the New World of Digital Television,” 1st International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, November 26 – 28, 2008.
- 128.Session Chair**, All Sessions in Day 3 of the Workshop, 1st International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, November 26 – 28, 2008.
- 129.Session Co-Chair**, Session on “Wireless Communications Systems,” 2008 IEEE International Symposium on Circuits and Systems (ISCAS), Seattle, Washington, USA, May 18 - 21, 2008.
- 130.Session Co-Chair**, Session on “Encoder Optimization,” 2008 IEEE International Symposium on Circuits and Systems (ISCAS), Seattle, Washington, USA, May 18 - 21, 2008.
- 131.Keynote Session Chair**, Keynote Speech entitled “Wireless Sensors Networks & DSP: Marriage Made in Heaven,” 2007 IEEE Workshop on Signal Processing Systems (SiPS), Shanghai, China, October 17 – 19, 2007.
- 132.Keynote Session Chair**, Keynote Speech entitled “Si Technology Roadmap for Ubiquitous Computing, Sensing, and Perception,” 2007 IEEE International Symposium on Circuits and Systems (ISCAS), New Orleans, Louisiana, U.S.A, May 27 – 30, 2007.
- 133.Session Co-Chair**, Session on “MIMO Systems,” 2007 IEEE International Symposium on Circuits and Systems (ISCAS), New Orleans, Louisiana, U.S.A, May 27 – 30, 2007.
- 134.Session Chair**, Session on “Coding and Compression,” 2006 IEEE Workshop on Signal Processing Systems (SiPS), Banff, Alberta, Canada, October 2 – 4, 2006.
- 135.Session Co-Chair**, Session on “Motion Estimation II,” 2006 IEEE International Symposium on Circuits and Systems (ISCAS), Island of Kos, Greece, May 21 – 24, 2006.
- 136.Session Co-Chair**, Session on “Moving Picture Coding,” Picture Coding Symposium 2006 (PCS), Beijing, China, April 24 – 26, 2006.
- 137.Session Chair**, Session on “Mobile Multimedia,” IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 9 - 11, 2006.
- 138.Session Co-Chair**, Session on “H.264 Encoding,” IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, January 9 - 11, 2006.
- 139.Session Chair**, Session on “Video Coding,” 2005 IEEE Workshop on Signal Processing Systems (SiPS), Athens, Greece, November 2 – 4, 2005.
- 140.Session Organizer and Session Chair**, Special Session on “Advances in Scalable Video Coding,” Visual Communications and Image Processing 2005 (VCIP), Beijing, China, July 12 – 15, 2005.
- 141.Session Co-Chair**, Session on “Efficient Implementation of AVC/H.264,” 2005 IEEE International Symposium on Circuits and Systems (ISCAS’2005), Kobe, Japan, May 23 - 26, 2005.
- 142.Session Co-Chair**, Session on “Communication Circuits & Systems I,” 2005 IEEE International Symposium on Circuits and Systems (ISCAS’2005), Kobe, Japan, May 23 - 26, 2005.
- 143.Session Chair**, Session on “JPEG2000 Implementations,” 2005 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Philadelphia, Pennsylvania, USA, March 18 – 23, 2005.



- 144.Session Chair**, Session on “Architectures for Source and Channel Coding,” 2004 IEEE Workshop on Signal Processing Systems (SiPS), Austin, Texas, USA, October 13 – 15, 2004.
- 145.Session Chair**, Session on “Advanced Video Coding Techniques for HDTV and Video Applications (I),” 2004 IEEE International Conference on Multimedia and Expo (ICME 2004), Taipei, Taiwan, June 27 - 30, 2004.
- 146.Session Chair**, Session on “Receivers Architecture and Design,” 2004 IEEE International Symposium on Circuits and Systems (ISCAS’2004), Vancouver, Canada, May 23 - 26, 2004.
- 147.Session Co-Chair**, Session on “Image and Video Compression,” 2004 IEEE International Symposium on Circuits and Systems (ISCAS’2004), Vancouver, Canada, May 23 - 26, 2004.
- 148.Session Co-Chair**, Session on “3-D and Image Processing,” 2004 IEEE International Symposium on Circuits and Systems (ISCAS’2004), Vancouver, Canada, May 23 - 26, 2004.
- 149.Session Chair**, Session on “Video Architectures,” 2003 IEEE Workshop on Signal Processing Systems (SiPS), Seoul, Korea, August 27 - 29, 2003.
- 150.Session Chair**, Session on “Video Computation Algorithms,” Third International Workshop on Digital and Computational Video (DCV’2002), Clearwater Beach, Florida, USA, November 14-15, 2002.
- 151.Session Chair**, Session on “Video,” Workshop and Exhibition on MPEG-4 (WEMP4’2002), San Jose, California, USA, June 25 - 27, 2002.
- 152.Session Chair**, Session on “Video Segmentation,” 2002 IEEE International Symposium on Circuits and Systems (ISCAS’2002), Scottsdale, Arizona, USA, May 26-29, 2002.
- 153.Session Chair**, Session on “Communication Circuits / Implementation,” 2002 IEEE International Symposium on Circuits and Systems (ISCAS’2002), Scottsdale, Arizona, USA, May 26-29, 2002.
- 154.Session Chair**, Session on “Video Codecs,” 2001 IEEE Workshop on Signal Processing Systems (SiPS), Antwerp, Belgium, September 26-28, 2001.
- 155.Session Chair**, Session on “Decoder Algorithms and Architectures,” 2001 IEEE International Symposium on Circuits and Systems (ISCAS’2001), Sydney, Australia, May 6-9, 2001.
- 156.Session Chair**, Session on “Student Paper Contest,” 2000 IEEE Workshop on Signal Processing Systems (SiPS), Lafayette, Louisiana, USA, October 11-13, 2000.
- 157.Session Chair**, Session on “Communication Systems and Circuits,” 2000 IEEE International Symposium on Circuits and Systems (ISCAS’2000), Geneva, Switzerland, May 28-31, 2000.
- 158.Session Chair**, Session on “VLSI Testing – I,” 1999 IEEE International Symposium on Circuits and Systems (ISCAS’99), Orlando, Florida, USA, May 30 – June 2, 1999.
- 159.Session Chair**, Session on “Novel and Emerging Circuits,” 8<sup>th</sup> Great Lakes Symposium on VLSI, Lafayette, Louisiana, USA, February 19-21, 1998.
- 160.Session Organizer and Session Chair**, Special Session on “Multimedia Architectures,” 37th Midwest Symposium on Circuits and Systems, Lafayette, Louisiana, USA, August 3 -5, 1994.
- 161.Session Chair**, Session on “VLSI Signal and Image Processing Architectures,” 1993 IEEE International Symposium on Circuits and Systems (ISCAS’93), Chicago, Illinois, USA, May 3-6, 1993.

**162.Session Chair**, Session on “VLSI Design and Applications I,” 1992 IEEE International Symposium on Circuits and Systems (ISCAS’92), San Diego, California, USA, May 10-13, 1992.

**163.Session Chair**, Session on “VLSI Design and Circuit Layout,” 1990 IEEE International Symposium on Circuits and Systems (ISCAS’90), New Orleans, Louisiana, USA, May 1-3, 1990.

**(6) MEMBERSHIP POSITIONS IN SOCIETY TECHNICAL COMMITTEES AND BOARDS:**

**164.Honorable Member**, IEEE Circuits and Systems Society Technical Committee on Visual Signal Processing and Communications, 2016 - present.

**165.Member**, APSIPA Membership Board, 2014 – present.

**166.Member of Advisory Board**, IEEE Signal Processing Society Design and Implementation of Signal Processing Systems Technical Committee, 2011 – present.

**167.Committee Member**, IEEE Circuits and Systems Society Multimedia Systems and Applications Technical Committee, May 2008 – 2018.

**168.Emeritus Member**, IEEE Circuits and Systems Society VLSI Systems and Applications Technical Committee, 2005 – present.

**169.Committee Member**, IEEE Circuits and Systems Society Circuits and Systems for Communications Technical Committee, May 2004 – present.

**170.Committee Member**, IEEE Circuits and Systems Society Technical Committee on Visual Signal Processing and Communications, 1999 – 2016.

**171.Committee Member**, IEEE Signal Processing Society Design and Implementation of Signal Processing Systems Technical Committee, 2004 - 2010.

**172.Committee Member**, IEEE Circuits and Systems Society VLSI Systems and Applications Technical Committee, 1990 – 2005.

**173.Committee Member**, IEEE Computer Society Technical Committee on Microprocessors and Microcomputers, 1992 - 1997.

**(7) OTHER PROFESSIONAL SERVICE (AND SOME COMMUNITY SERVICE):**

**174.Member, External Advisory Board** for the Undergraduate Bachelor of Science in Computer Science Program, Department of Computer Science, San Jose State University, San Jose, California, USA, May 2017 – present.

**175.External Reviewer** (assessing faculty tenure and promotion), School of Engineering, San Francisco State University, San Francisco, California, USA, 2018.

**176.External Reviewer** (assessing faculty tenure and promotion), School of Electronic, Information and Electrical Engineering, Shanghai Jiao Tong University, China, 2017.

**177.External Examiner** (for doctoral student theses and dissertations), School of EEE, Nanyang Technological University, Singapore, 2011 and 2012.

**178.External Referee** (assessing faculty tenure and promotion), School of Computer Engineering, Nanyang Technological University, Singapore, 2012.

**179.External Referee** (assessing faculty tenure and promotion), School of EEE, Nanyang Technological University, Singapore, 2008, 2010, 2011.

- 180.External Referee** (evaluating faculty tenure and promotion), Department of Electrical and Computer Engineering, Lehigh University, Bethlehem, Pennsylvania, USA, 2010.
- 181.Member**, Integrated Undergraduate Engineering Advisory Committee, University of Hawaii at Hilo, Hilo, Hawaii, USA, September 2009 – 2010.
- 182.External Referee** (evaluating faculty promotion), Department of Electrical and Computer Engineering, University of Minnesota, Minneapolis, Minnesota, USA, 2009.
- 183.Judge**, The 15<sup>th</sup> Annual Outstanding Chinese Media Awards, North California Chinese Media Association (NCCMA), California, USA, 2009.
- 184.External Examiner**, Department of Computer Science & Engineering, the Hong Kong University of Science and Technology, Hong Kong, China, 2009.
- 185.External Assessor** (assessing faculty tenure), School of EEE, Nanyang Technological University, Singapore, 2007.
- 186.Member**, Board of Directors, Chinese Institute of Engineers (San Francisco Bay Area Chapter), USA, February 2004 – March 2006.
- 187.**Contributed to the 4<sup>th</sup> Industrial Technology Research Institute (ITRI) (Taiwan) Elite Researchers Program: “Meet the Best Minds,” May 2005.
- 188.External Examiner** (for graduate student theses and dissertations), School of EEE, Nanyang Technological University, Singapore, 2000 – 2001, 2004 - 2005.
- 189.External Examiner** (for graduate student theses and dissertations), Faculty of Engineering, Multimedia University, Malaysia, 2002 – 2003.
- 190.Member**, Singapore Digital TV Technical Committee, Singapore, March 1998 – August 1998.
- 191.Reviewers for proposals**
- Singapore Ministry of Education (MOE) Academic Research Fund (2008).
  - Board of Regents (State of Louisiana, U.S.) Support Fund R & D Program (2003).
  - King Fahd University of Petroleum and Minerals (Saudi Arabia) (1998).
  - National Science Foundation (U.S.) (1991).
- 192.Reviewers for journals**
- IEEE Transactions on Image Processing (2020).
  - Journal of Supercomputing (Springer) (2018).
  - Journal of Ambient Intelligence and Humanized Computing (Springer) (2017).
  - Multidimensional Systems and Signal Processing: An International Journal (Springer) (2012, 2014, 2015, 2016).
  - IET Image Processing (2009).
  - Signal Processing: Image Communication (Elsevier Science) (2006).
  - IEE Proceedings Vision, Image & Signal Processing (2005).
  - Journal of Visual Communication and Image Representation (Elsevier Science) (2005).
  - Computers & Electrical Engineering: An International Journal (2005).
  - IEEE Transactions on Circuits and Systems – I: Fundamental Theory and Applications (2002, 2003, 2004).
  - ETRI (Electronics and Telecommunications Research Institute, Korea) Journal (2003).
  - EURASIP Journal of Applied Signal Processing (2002, 2006, 2007).
  - IEEE Transactions on Circuits and Systems for Video Technology (2002, 2005, 2011).
  - IEEE Transactions on Multimedia (2000, 2004).

- IEEE Transactions on Signal Processing (1998, 2000-01).
- IEEE Micro Magazine (1995).
- Journal of VLSI Signal Processing Systems (1993, 2001, 2003).
- IEEE Computer Magazine (1991, 1992, 1993).
- Journal of Circuits, Systems and Computers (1992).
- Electronics Letters (1991).

and more.

### **193. Reviewers for conferences**

- IEEE Latin American Symposium on Circuits and Systems (2013).
- IEEE International Conference on Image Processing (2009, 2012).
- IEEE International Conference on Multimedia and Expo (2010).
- IEEE Asia Pacific Conference on Circuits and Systems (1992, 2010).
- Picture Coding Symposium (PCS) (2006).
- Visual Communications and Image Processing (VCIP) (2005, 2010).
- IEEE International Conference on Consumer Electronics (2006, 2010, 2011).
- IEEE Workshop on Signal Processing Systems (2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2015).
- IEEE International Symposium on Circuits and Systems (1991, 1992, 1993, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2008, 2010, 2014).
- IEEE International Conference on Acoustics, Speech, and Signal Processing (2005, 2006, 2007, 2008, 2009, 2010).
- Third International Workshop on Digital and Computational Video (2002).
- IEEE Workshop and Exhibition on MPEG-4 (2001).
- Third International Conference on Information, Communications and Signal Processing (2001).
- 3<sup>rd</sup> International Conference on Computational Intelligence and Multimedia Applications (1999).
- 8<sup>th</sup> Great Lakes Symposium on VLSI (1998).
- 37th Midwest Symposium on Circuits and Systems (1994).
- 7th International Parallel Processing Symposium (1993).
- International Conference on Parallel Processing (1989, 1993).
- International Conference on Parallel and Distributed Systems (1992).
- Hawaii International Conference on System Sciences (1992).

and more.

### **(8) MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS:**

**194. Fellow**, The Institution of Engineering and Technology (IET), 2011 – present.

**195. Fellow**, The Institute of Electrical and Electronics Engineers, Inc. (IEEE), 2008 – present.

**196. Member**, Asia-Pacific Signal and Information Processing Association (APSIPA), part of 2013-present.

**197. Senior Member**, The Institute of Electrical and Electronics Engineers, Inc. (IEEE), 1999 – 2007.

**198. Member**, The Institute of Electrical and Electronics Engineers, Inc. (IEEE), 1990 - 1999.

**199. Professional Member**, American Society for Engineering Education (ASEE), 2002 – 2006.

**200. Member**, The International Society for Optical Engineering, (SPIE), 2004 – 2005.

**201. Professional Member**, The Association for Computing Machinery (ACM), 1990 - 2004.