

2015 Annual Report (May 2014 – May 2015)
Visual Signal Processing and Communication Technical Committee
IEEE Circuits and Systems Society

Chairman: Dr. Gwo Giun (Chris) Lee
Secretary: Dr. Jianfei Cai

1. Technical Committee Meeting:

The Visual Signal Processing and Communication Technical Committee in the IEEE Circuits and Systems Society organizes one annual TC meeting, held in ISCAS. The detailed Information is given as follows.

1.1. Upcoming TC Meeting in ISCAS 2015

Date: 25 May 2015 (Monday, during ISCAS 2015)
Venue: Room 13-A Rodrigues
ISCAS 2015, Lisbon, Portugal
Time: 12:50pm – 14:10pm
Chairman: Gwo Giun (Chris) Lee
Secretary: Jianfei Cai

1.2. Proposed Agenda

(Tentative)

Approval of the agenda
Feedback from TC Chairs' Meeting
TC Vision Statements
Review of TC Activities During the Past Year
Review of Conference Supports
Membership Subcommittee Report
Publicity Subcommittee Report
Award Subcommittee Report (TBD)
Conference Subcommittee Report
VCIP2015 Update
Future VCIP Proposals
Election of New TC Members
Last Minute Motions
Adjourn

2. Your information update:

First Name	Last Name	Affiliation	Location/Country	Email	Website	Membership in other TCs	Attendance
Gwo Giun	Lee	National Cheng Kung University	Tainan, Taiwan	clee@mail.ncku.edu.tw	http://office.ee.ncku.edu.tw/nckueechinese/professor/T410-clee/T0000000c.htm	CAS MSATC MSATC SPSTC	Yes
Chang Wen	Chen	SUNY-Buffalo	Buffalo, USA	chencw@buffalo.edu		CAS MSATC	Yes
Jianwen	Chen	University of Electronic Science and Technology of China, UESTC	Chengdu, China	jianwen.chen@ieec.org	http://jianwenchen.net/		Yes
Shao-Yi	Chien	National Taiwan University	Taipei, Taiwan	sychien@ntu.edu.tw	http://www.ee.ntu.edu.tw/profile?id=101	CAS MSATC	Yes
Jing-Ming	Guo	National Taiwan University of Science	Taipei, Taiwan	jmguo@seed.net.tw	http://140.118.107.57/profile-en.php?tid=3241	SPS IoT SIGTC APSIPA IVMTC	Yes

		and Technolog y					
Hsueh-Ming	Hang	National Chiao Tung University	Hsinchu, Taiwan	hmhang@mail.nctu.edu.tw	http://cwww.ee.nctu.edu.tw/hmhang/		No
C.-C. Jay	Kuo	University of Southern California	Los Angeles, CA, USA	cckuo@sipi.usc.edu	http://mcl.usc.edu	CAS MSATC	No
Hongliang	Li	University of Electronic Science and Technology of China	Chengdu, China	hlli@uestc.edu.cn	http://ivipc.uestc.edu.cn/hlli/	MMTC, TCMC	No
Weiyao	Lin	Shanghai Jiao Tong University	Shanghai, China	hellomikelin@gmail.com	http://wylin2.drivehq.com/	MSA TC MMTC	No
Wen-Hsiao	Peng	National Chiao Tung University	Hsinchu, Taiwan	wpeng@cs.nctu.edu.tw	http://map1.nctu.edu.tw/sample/wpeng.html	MSATC	Yes
Fernando	Pereira	Instituto Superior Técnico – Instituto de Telecomunicações	Lisbon, Portugal	fp@lx.it.pt	http://www.img.lx.it.pt/~fp/	COM TCCN, COM MMTC, SPS MMSP	Yes
Li	Song	Shanghai Jiao Tong University	Shanghai, China	song_li@sjtu.edu.cn	http://medialab.sjtu.edu.cn	MMTC	No
Huifang	Sun	Mitsubishi Electric Research Labs		hsun@merl.com			
Ming-Ting	Sun	University of Washington	Seattle, Washington/USA	mts@uw.edu	http://www.ee.washington.edu/people/faculty/sun/	CAS MSATC	Yes
Anthony	Vetro	Mitsubishi Electric Research Labs	Cambridge, USA	avetro@merl.com	http://www.merl.com/people/avetro/	CAS MSATC SPS IVMSA	No
Lu	Yu	Zhejiang University	Hangzhou/China	yul@zju.edu.cn	http://mypage.zju.edu.cn/en/yul		No
Junsoong	Yuan	Nanyang Technological University	Singapore	jsyuan@ntu.edu.sg	http://www.ntu.edu.sg/home/jsyuan/	CAS MSATC	Via Skype
Chee Seng	Chan	University of Malaya	Kuala Lumpur/Malaysia	cs.chan@um.edu.my	http://web.fsktm.um.edu.my/~cschan/	PAMI	No
Tian Sheuan	Chang	National Chiao Tung	Hsinchu, Taiwan	tschang@mail.nctu.edu.tw	http://www.ee.nctu.edu.tw/People/Professor/individual.php?TeacherID=T9301	CAS VSA TC;	Yes

		University					
Lap-Pui	Chau	Nanyang Technological University	Singapore	elpchau@ntu.edu.sg	http://www.ntu.edu.sg/home/elpchau	CAS MSATC CAS CASC	Yes
Tihao	Chiang	Ambarella Taiwan Ltd.	Hsinchu, Taiwan	thchiang2k@gmail.com		CAS MSATC SPSTC	On Skype
Carl James	Debono	University of Malta	Msida / Malta	c.debono@ieee.org	http://staff.um.edu.mt/carl.debono/	MMTC	No
Ling	Guan	Ryerson University	Toronto, Canada	lguan@ee.ryerson.on.ca	http://www.ee.ryerson.ca/people/Guan.html	CAS MSATC ComS MMCom	Yes
Shipeng	Li	Microsoft Research Asia	Beijing, China	shipeng.li@microsoft.com	http://research.microsoft.com/en-us/people/spli/	CAS MSA; ComSoc: MMC	Yes
Zhengguo	Li	Institute for Infocomm Research	Singapore	ezgli@i2r.a-star.edu.sg	NIL	CASC	No
Chia-Wen	Lin	National Tsing-Hua University	Hsinchu, Taiwan	clee@mail.ncku.edu.tw	http://www.ee.nthu.edu.tw/cwlin	CAS MSATC MSATC DSP TC IVMSP TC	Yes
Zicheng	Liu	Microsoft Research	USA	zliu@microsoft.com	http://research.microsoft.com/~zliu	CAS MSATC	No
Daniel P.K.	Lun	The Hong Kong Polytechnic University	Hong Kong	enpkun@polyu.edu.hk	http://www.eie.polyu.edu.hk/~enpkun	CAS DSPTC	No
Kai-Kuang	Ma	Nanyang Technological University	Singapore	ekkma@ntu.edu.sg	http://www3.ntu.edu.sg/home/ekkma/	DSP	Yes
Fei	Qiao	Tsinghua University	Beijing, China	qiaofei@tsinghua.edu.cn	http://nics.ee.tsinghua.edu.cn/people/qiaofei/		Yes
Lifeng	Sun	Tsinghua University	Beijing/China	sunlf@tsinghua.edu.cn	http://media.cs.tsinghua.edu.cn/en/sunlf	IEEE MMTC	No

Pei-Yun	Tsai	National Central University	Jhongli, Taiwan	pytsai@ee.ncu.edu.tw	http://www.ee.ncu.edu.tw/faculty/info.php?OID=9		Yes
Dapeng Oliver	Wu	University of Florida	Gainesville, USA	wu@ece.ufl.edu	http://www.wu.ece.ufl.edu/		No
Wei Qi	Yan	Auckland University of Technology	Auckland, New Zealand	wyan@aut.ac.nz	http://www.aut.ac.nz/profiles/weiqi-yan	Multimedia system and applications	No
Jian	Zhang	University of Technology, Sydney	Australia	jian.zhang@uts.edu.au	http://www.uts.edu.au/staff/jian.zhang	CAS MSATC	No
Xiao-Ping (Steven)	Zhang	Ryerson University	Toronto, Canada	xzhang@ee.ryerson.ca	www.ee.ryerson.ca/~xzhang	CAS MSATC MSATC DSPTC	Yes
Yu-Chun Donald	Lee	Texas Tech University	Lubbock, Texas, USA	donald.lie@ttu.edu	http://www.depts.ttu.edu/ece/faculty/faculty.php?name=Donald%20Lie	TC & Steering MWSCAS; TC BIOCAS, TC ASICON; TC LiSSA; ICBBB; ICSSE (CAS). General Chair SiRF, TC & SC Chair RFIC Symp; TC & EC TSWMCS; TC PAWR (MTT); TC Chair VLSI-DAT (SSC); General Chair BCTM (EDS);	No
Jar-Ferr	Yang	National Cheng Kung University	Tainan, Taiwan	jefyang@mail.ncku.edu.tw	http://office.ee.ncku.edu.tw/nckueechinese/professor/T302-jefyang/T0000000c.htm	CAS MSATC CAS BioCAS	No
Nam	Ling	Santa Clara University	U.S.A	nling@scu.edu	http://www.cse.scu.edu/~nling/	CAS CASCOM TC; CAS MSA TC	Yes
Jianfei	Cai	Nanyang Technological University	Singapore	asjfcai@ntu.edu.sg	www.ntu.edu.sg/home/asjfcai	MSA TC MMSP TC MMTC	In person
Qi	Tian	University of Texas at San Antonio	Texas, USA	qi.tian@utsa.edu	http://www.cs.utsa.edu/~qitian	CAS VSPC	Yes

3. New member nomination if any:

(Please feel free to copy and paste this form if you have more than more nominees)

First Name	Dejan	Last Name	Vukobratovic
Affiliation	Department of Power, Electronics and Communications Engineering, University of Novi	Location/Country	Sad, Serbia
Email	dejanv@uns.ac.rs	Website	www.ktios.net/vukobratovic
IEEE Member #	41528000	CAS Member?	
Memberships in other TCs		Attending the upcoming TC meeting?	
Bio (< 300 words)	<p>Dr Vukobratovic received Dipl.-Ing. and Dr.-Ing. degrees in electrical engineering from the University of Novi Sad, Serbia, in 2001 and 2008, respectively. Since February 2009, he was an Assistant Professor, and since March 2014, he is an Associate Professor with the Department of Power, Electronics and Communication Engineering, University of Novi Sad. During 2009 and 2010, he was on leave as a Marie Curie Intra-European Fellow at the Department of Electronic and Electrical Engineering, University of Strathclyde, Glasgow, UK. From 2011-2014, his research was supported by Marie Curie European Reintegration Grant. He is currently involved in FP7 "ADVANTAGE" Marie Curie ITN project as a WP leader and in FP7 "QoSTREAM" Marie Curie research exchange network.</p> <p>Research interests of Dr Vukobratovic are positioned at the intersection of information and communications theory and multimedia communications and signal processing for wireless networks. He contributed extensively in the domain of sparse-graph codes (LDPC and rateless codes) and network coding schemes with emphasis on unequal error protection and multimedia delivery. He is active in the domain of design and analysis of multimedia delivery services over 4G mobile cellular networks such as 3GPP LTE/LTE-A and beyond (5G), including both unicast services (adaptive HTTP streaming) and multicast/broadcast (3GPP e-MBMS) services. His latest research is oriented towards compressed sensing using sparse-graph coding ideas and multiple access algorithms for 4G/5G networks.</p> <p>He has published more than 20 journal and 50 conference papers in leading international IEEE journals and conferences. He received Top 10% Paper award at IEEE MMSP 2010 and his paper was runner-up (Top 5) for IEEE Transactions on Multimedia best paper award in 2011. He is regular reviewer of major IEEE journals published by IEEE Communications, Information Theory and Signal Processing society and was recognized as Top 3% Reviewer for IEEE Wireless Communications Letters in 2013.</p>		

Name	Andrea Cavallaro
Affiliation	Queen Mary University of London
Email	a.cavallaro@qmul.ac.uk
IEEE Member #	41402636
Memberships in other TCs	<p>Current: IEEE Signal Processing Society, Image, Video, and Multidimensional Signal Processing Technical Committee (2011 – 2016)</p> <p>Past: IEEE Signal Processing Society, Multimedia Signal Processing Technical Committee (2006-2009)</p>
Bio (< 300 words)	<p>Andrea Cavallaro is full Professor and Director of the Centre for Intelligent Sensing at Queen Mary University of London, UK. He received his Ph.D. in Electrical Engineering from the Swiss Federal Institute of Technology (EPFL), Lausanne, in 2002. He was a Research Fellow with British Telecommunications (BT) in 2004/2005 and was awarded the Royal Academy of Engineering teaching Prize in 2007; three student paper awards on target tracking and perceptually sensitive coding at IEEE ICASSP in 2005, 2007 and 2009; and the best paper award at IEEE AVSS 2009. Prof. Cavallaro is Associate Editor for the IEEE Transactions on Image Processing. He is an elected member of the IEEE Signal Processing Society, Image, Video, and Multidimensional Signal Processing Technical Committee, and chair of its Awards committee. He served as an elected member of the IEEE Signal Processing Society, Multimedia Signal Processing Technical Committee, as Area Editor for the IEEE Signal Processing Magazine, as Associate Editor for the IEEE Transactions on Multimedia and the IEEE Transactions on Signal Processing, and as Guest Editor for seven international journals. He was General Chair for IEEE/ACM ICDCS 2009, BMVC 2009, M2SFA2 2008, SSPE 2007, and IEEE AVSS 2007. Prof. Cavallaro was Technical Program chair of IEEE AVSS 2011, the European Signal Processing Conference (EUSIPCO 2008) and of WIAMIS 2010. He has published more than 150 journal and conference papers, one monograph on Video tracking (2011, Wiley) and three edited books: Multi-camera networks (2009, Elsevier); Analysis, retrieval and delivery of multimedia content (2012, Springer); and Intelligent multimedia surveillance (2013, Springer).</p>

First Name	Wen-Huang	Last Name	Cheng
Affiliation	Academia Sinica	Location/Country	Taiwan
Email	whcheng@citi.sinica.edu.tw	Website	http://www.citi.sinica.edu.tw/~whcheng/
IEEE Member #	80144132	CAS Member?	No
Memberships in other TCs		Attending the upcoming TC meeting?	Yes
Bio (< 300 words)	Wen-Huang Cheng received the B.S. and M.S. degrees in computer science and information engineering from National		

	<p>Taiwan University, Taipei, Taiwan, in 2002 and 2004, respectively, where he received the Ph.D. (Hons.) degree from the Graduate Institute of Networking and Multimedia in 2008. He is an Associate Research Fellow with the Research Center for Information Technology Innovation (CITI), Academia Sinica, Taipei, Taiwan, where he is the Founding Leader with the Multimedia Computing Laboratory (MCLab), CITI, and an Assistant Research Fellow with a joint appointment in the Institute of Information Science. Before joining Academia Sinica, he was a Principal Researcher with MagicLabs, HTC Corporation, Taoyuan, Taiwan, from 2009 to 2010. His current research interests include multimedia content analysis, computer vision, mobile multimedia computing, and human computer interaction. He has received numerous research awards, including the Prize Award of Multimedia Grand Challenge from the 2014 ACM Multimedia Conference, the K. T. Li Young Researcher Award from the ACM Taipei/Taiwan Chapter in 2014, the Outstanding Young Scholar Awards from the Ministry of Science and Technology in 2014 and 2012, the Outstanding Social Youth of Taipei Municipal in 2014, the Best Reviewer Award from the 2013 Pacific-Rim Conference on Multimedia, the Best Poster Paper Award from the 2012 International Conference on 3D Systems and Applications. He supervised his post-doctoral fellows to award the Academia Sinica Postdoctoral Fellowship in 2013 and 2011.</p>
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4. Your Report on Accomplished Technical Activities (May 2011 to May 2012)

(If you need additional rows to enter data, simply move the cursor to the end of the last row of the table, but outside the table border and press “enter” key to create a new row.)

4.1. Conference/Event organizations (past & upcoming)

Your Name	Conference Sponsors	Conference/Event Title	Your Role	Status
Gwo Giun Lee	IEEE	ISCAS 2013	Tutorial Co-Chair	done
Gwo Giun Lee	IEEE	IFECC 2013	Treasure	done
Gwo Giun Lee	IEEE	SiPS	Special Session chair	done
Shao-Yi Chien	IEEE	ICME 2014	TPC Co-Chair	done
Shao-Yi Chien	IEEE	SiPS 2014	TPC member	done
Shao-Yi Chien	IEEE	VLSI-DAT 2014	TPC member	done
Shao-Yi Chien	IEEE	iThings 2014	TPC Chair	done
Shao-Yi Chien	IEEE	GreenCom 2014	TPC Chair	done
Shao-Yi Chien	IEEE	CPSCOM 2014	TPC Chair	done
Jing-Ming Guo	IEEE	ICCE-TW 2015	General Chair	upcoming
Jing-Ming Guo	IEEE	ICCE-TW 2014	TPC Chair	done
Jing-Ming Guo	IEEE	ISCE 2013	TPC Chair	done
Jing-Ming Guo	IEEE	ISPACS 2012	TPC Chair	done
C.-C. Jay Kuo	APSIPA	APSIPA ASC 2014	Conference Co-Chair	done
C.-C. Jay Kuo	Xidian University	8th International Conference on Network and System Security (NSS)	Technical Program Co-Chair	done
Hongliang Li	IEEE	Int. Conf. on Multimedia and Expo 2014 (ICME)	Local Co-Chair	done
Hongliang Li	IEEE	Int. Sym. on Circuits and Systems 2014 (ISCAS)	Session Chair	done
Hongliang Li	IEEE	Int. Conf. on Multimedia and Expo 2014 (ICME)	TPC Member	done
Hongliang Li	IEEE	IEEE ISPACS 2014	Publicity Chair	done
Hongliang Li	IEEE	IEEE VCIP 2016	Technical Program Co-chairs	upcoming
Hongliang Li	IEEE	Int. Sym. on Circuits and Systems 2014 (ISCAS)	Review Committee Member	done
Weisi Lin	QoMEX	6th International Workshop on Quality of Multimedia Experience (QoMEX)	Technical Co-Chair	done
Weisi Lin	IEEE	IEEE International Conference on Image Processing (ICIP 2015)	Area Chair	done
Weisi Lin	IEEE	IEEE Int'l Conf. Multimedia and Expo (ICME 2015)	Area Chair	done
Weisi Lin	PCM	Pacific-Rim Conf. On Multimedia (PCM), 2015	Tutorial Co-Chair	On-going
Weiyao Lin	IEEE	BigMM'2015 Emerging Techniques on Big Surveillance Data Analysis Workshop	Workshop Organizer	done
Weiyao Lin	APSIPA	APSIPA ASC'2014	Special Session Organizer	done
Weiyao Lin	IEEE	VCIP'2015	Area Chair	Upcoming
Wen-Hsiao Peng	APSIPA	APSIPA 2014	Special Session Organizer	Done

Wen-Hsiao Peng	IEEE	ISCAS 2015	Review Committee Member	Done
Wen-Hsiao Peng	IEEE	ICME 2015	Area Chair	Done
Wen-Hsiao Peng	IEEE	VCIP 2015	Area Chair	To be done
Wen-Hsiao Peng	IEEE	ISM 2015	Technical Program Committee Member	To be done
Fernando Pereira	IEEE CAS	VCIP 2014, La Valletta, Malta	Awards Chair	Done
Fernando Pereira	IEEE SPS	MMSP 2014, Jakarta, Indonesia	Technical Program Chair	Done
Fernando Pereira	IEEE SPS/CAS	ICME 2015, Torino, Italy	Panel Chair	
Fernando Pereira	EURASIP	EUSIPCO 2015, Nice, France	Area Chair	
Fernando Pereira	IEEE	QoMEX 2015, Patras, Greece	Steering Committee	
Fernando Pereira	-	PCS 2015, Cairns, Australia	Steering Committee	
Li Song	IEEE	ICME 2013	Publicity Chair	done
Li Song	IEEE	SiPS 2015	Special Session chair	ongoing
Ming-Ting Sun	IEEE	VCIP 2015	Honorary Chair	upcoming
Ming-Ting Sun	IEEE	ICME 2016	General Co-Chair	upcoming
Ming-Ting Sun	APSIPA	ASC 2015	Forum Co-Chair	upcoming
Anthony Vetro	IEEE	ICME 2015	General Chair	ongoing
Lu Yu		Picture Coding Symposium 2015	International Steering Committee	On going
Lu Yu		Picture Coding Symposium 2015	International Liaison (China)	On going
Lu Yu	IEEE	IEEE Workshop on Audio and Video Coding Standardization, ICME2014	Organizer	Done
Junsong Yuan	IEEE	VCIP 2015	Program co-chair	On progress
Junsong Yuan	IEEE	VCIP special session organization: "towards glass-free 3D displays"	Special session co-organizer	On progress
Junsong Yuan	IEEE	ICMR 2015	Tutorial co-chair	done
Junsong Yuan	IEEE	ICME 2014	Area Chair	done
Junsong Yuan	IEEE	ICME 2015	Area Chair	done
Chee Seng Chan	IEEE	VCIP 2013	General co-chair	done
Tian Sheuan Chang	IEEE	ISCAS 2015	RCM	done
Tian Sheuan Chang	IEEE	ICME 2015	Reviewer	done
Tian Sheuan Chang	IEEE	VCIP 2014	Meta reviewer	done
Lap-Pui Chau	IEEE	IEEE DSP 2015	General Co-Chairs	upcoming
Lap-Pui Chau	IEEE	ICICS 2015	General Co-Chairs	upcoming
Lap-Pui Chau	IEEE	APSIPA Annual Summit and Conference 2015	Special Session Co-Chairs	upcoming
Tihao Chiang	IEEE	ISCAS 2014	RCM	done
Tihao Chiang	IEEE	ICCE 2015	Reviewer	done
Tihao Chiang	IEEE	ICCE-TW 2015	Treasurer	done
Carl James Debono	IEEE	VCIP 2014	General co-Chair	done
Carl James Debono	IEEE	ICME 2014	Area Chair	done
Carl James Debono	IEEE	WiSEE 2014	Technical Program Committee Co-Chair	done
Carl James Debono	IEEE	EUROCON 2015	Technical Program Committee Co-Chair	current
Carl James	IEEE	3DTV-Con 2015	Publications Co-	current

Debono			Chair	
Ling Guan	IEEE	CCECE 2015	Co-Chair, Signal & Multimedia Processing Symposium	upcoming
Ling Guan	IEEE	ICME 2014	Area Co-Chair	done
Ling Guan	IEEE	CCECE 2014	Member, Steering Committee	done
Ling Guan	ACM	MMR 2015	Publicity Chair	upcoming
Ling Guan	ACM	MMR 2014	Member, Steering Committee	done
Ling Guan		PCM 2014	Chair, Steering Committee	done
Yun He	IEEE	ICIP 2017	Finance Chair	
Shipeng Li	IEEE	ICME 2014	Leading General Co-Chair	done
Shipeng Li	IEEE	ICME 2015	Plenary Chair	Ongoing
Shipeng Li	IEEE	ISCAS 2015	RCM	Done
Zhengguo Li	IEEE	ICIEA 2015	Program Chair	On-going
Zhengguo Li	IEEE	CCDC 2014	General Co-chair	done
Chia-Wen Lin	IEEE	ICME	Steering Committee member	ongoing
Chia-Wen Lin	IEEE	MMSP 2014	Finance Co-Chair	done
Chia-Wen Lin	IEEE	ISCAS 2015	Track Chair	ongoing
Chia-Wen Lin	IEEE	ICASSP 2015	Area Chair	done
Chia-Wen Lin	IEEE	MMSP 2015	Finance Co-Chair	ongoing
Chia-Wen Lin	IEEE	ICME 2015	Publicity Co-Chair	ongoing
Chia-Wen Lin	IEEE	VCIP 2015	Special Session Co-Chair	ongoing
Chia-Wen Lin	IEEE	ICME 2016	Publication Co-Chair	ongoing
Zicheng Liu	IEEE	ICME 2014	TPC Co-Chair	done
Zicheng Liu	IEEE	VCIP 2015	Tutorial Chair	In Preparation
Zicheng Liu	ACM	ICMI 2015	Local Chair	In Preparation
Daniel P.K. Lun	IEEE	DSP 2015	Technical Co-Chair	To be held in July, 2015
Daniel P.K. Lun	APSIPA	APSIPA ASC 2015	Technical Co-Chair	To be held in December, 2015
Lifeng Sun	IEEE	ICME 2014	TPC	done
Lifeng Sun	IEEE	ICIP 2014	TPC	done
Lifeng Sun	IEEE	ICIP 2015	TPC	ongoing
Lifeng Sun	IEEE	VCIP 2015	Area Chair	ongoing
Dapeng Oliver Wu	IEEE	GlobalSIP 2015	General Chair	On-going
Dapeng Oliver Wu		International Conference on Future Internet Technologies	TPC chair	On-going
Wei Qi Yan	IEEE	ISCAS/VCIP 2014	Reviewer Committee Member	done
Wei Qi Yan	IEEE	AVSS 2014	Reviewer Committee Member	done
Jian Zhang	IEEE	VCIP 2014	Technical Program Co-Chair	Done
Xiao-Ping Zhang	IEEE	ISCAS 2013	Track Chair	done
Xiao-Ping Zhang	IEEE	MMSP2015	General Chair	ongoing
Xiao-Ping Zhang	IEEE	ICIP2015	Area Chair	done
Xiao-Ping Zhang	IEEE	ICME2015	Area Chair	done
Donald Lie	IEEE	BCTM'14	TC	done
Donald Lie	IEEE	SiRF'14	TC	Remain as TC and Ex'Com
Donald Lie	IEEE	VLSI-DAT'14,15	TC	On-going (General Chair 2016-2017)

Donald Lie	IEEE	MWSCAS'14	TC	Remains
Donald Lie	IEEE	RFIC Symp.'14	TC	Remains
Donald Lie	IEEE	PAWR'14	TC	Remains
Donald Lie	IEEE	BIOCAS'14	TC	Remains
Donald Lie	IEEE	ASICON'14	TC	Remains
Donald Lie	IEEE	ICSSE'14	TC	Remains
Nam Ling	IEEE	SiPS 2015	General Chair	Need support.
Nam Ling	IEEE	Umedia 2015	General Co-Chair	Need support.
Nam Ling	IEEE	Umedia 2014	General Co-Chair	Done.
Nam Ling	IEEE	ICIEA 2015	Int'l Advisory Committee	Need support.
Nam Ling	IEEE	MMSP 2014	American Liaison	Done.
Nam Ling	IEEE	ICIEA 2014	Int'l Advisory Committee	Done.
Jianfei Cai	IEEE	ISCAS 2015	Track Co-Chair	done
Jianfei Cai	IEEE	ICME	Steering Committee Member	done
Jianfei Cai	IEEE	VCIP 2014	Publicity Co-Chair	done
Qi Tian	IEEE TMM	Best Paper Committee 2015	Co-chair	done
Qi Tian	ACM	ACM Multimedia 2015	General Chair	ongoing
Qi Tian	IEEE	ChinaSIP 2015	Track Chair	ongoing
Qi Tian	IEEE	ICIP 2015	Area Chair	ongoing
Qi Tian	IEEE	ICME 2015	Area Chair	ongoing
Qi Tian	ACM	ICMR 2015	Workshop Chair	ongoing
Qi Tian	ACM	ACM Multimedia 2014	Area Chair & Best Poster Committee Member	done
Qi Tian	ACM	ICMR	Steering Committee Member (2009-2014)	done
Qi Tian	IEEE	ICIP 2014	Area-Chair	done
Qi Tian	IEEE TMM	Best Paper Committee 2014	Co-chair	done

4.2. IEEE and Other Journal Editorships:

Your Name	Journal Sponsors	Journal Title	Your Role
Gwo Giun Lee	Springer	Springer Journal of Signal Processing Systems (JSPS)	Associate Editor
Chang Wen Chen	IEEE	IEEE Trans. Multimedia	Editor-in-Chief
Chang Wen Chen	IEEE	IEEE Journal of Selected Areas in Communications	Senior Editor
Shao-Yi Chien	IEEE	IEEE Transactions on Circuits & Systems for Video Technology	Associate Editor
Shao-Yi Chien	Springer	Circuits, Systems, and Signal Processing	Associate Editor
Jing-Ming Guo	IEEE	IEEE Transactions on Image Processing	Associate Editor
Jing-Ming Guo	IEEE	IEEE Transactions on Multimedia	Associate Editor
Jing-Ming Guo	IEEE	Signal Processing Letters	Associate Editor
Jing-Ming Guo	Elsevier	Signal Processing	Associate Editor
Jing-Ming Guo	Elsevier	Information Sciences	Associate Editor
C.-C. Jay Kuo	IEEE	IEEE Trans. on Information Forensics and Security	Editor-in-Chief
C.-C. Jay Kuo	IEEE	IEEE Journal on Selected Topics on Signal Processing	Senior Editorial Board Member
Hongliang Li	Elsevier	Journal of Visual Communication and Image Representation	Editorial Board Member
Hongliang Li	Elsevier	Signal Processing: Image Communication	Editorial Board Member
Hongliang Li	Elsevier	Signal Processing: Image Communication (Special Issue on Recent Advances in Saliency Models, Applications and Evaluations)	Guest Editor
Weisi Lin	IEEE	IEEE Transactions on Image Processing	Associate Editor
Weisi Lin	IEEE	IEEE Signal Processing Letters	Associate Editor
Weisi Lin	Elsevier	J. of Vis. Comm. and Image Representation	Associate Editor
Weisi Lin	IEEE	IEEE Computer Graphics and Applications Magazine	Guest Editor
Weisi Lin	IOS Press	Mobile Information Systems	Guest Editor
Weiyao Lin	Elsevier	Journal of Visual Communication and Image Representation	Associate Editor
Weiyao Lin	Elsevier	Signal Processing: Image Communication	Associate Editor
Weiyao Lin	Springer	Circuits, Systems, and Signal Processing	Associate Editor
Weiyao Lin	IEEE	IEEE Access	Associate Editor
Fernando Pereira	IEEE	Journal of Selected Topics in Signal Processing	Editor-in-Chief
Fernando Pereira	EURASIP	Signal Processing: Image Communication	Area Editor
Li Song	Springer	Multidimensional Systems and Signal Processing (MSSP)	Associate Editor
Ming-Ting Sun	Elsevier	Journal of Visual Communication and Image Representation	Co-Editor-in-Chief
Anthony Vetro	IEEE	IEEE Journal of Selected Topics in Signal Processing	Senior Editorial Board
Anthony Vetro	IEEE	IEEE Multimedia	Editorial Board
Lu Yu	Elsevier	Signal Processing: Image Communication	Area Editor
Junsong Yuan	Springer	The Visual Computer Journal (TVC)	Associate Editor
Junsong Yuan	Springer	International Journal of Computer Vision (IJCV)	Guest Editor
Tian Sheuan Chang	IEEE	IEEE Transactions on Circuits & Systems for Video Technology	Associate Editor
Lap-Pui Chau	IEEE	IEEE Transactions on Circuits and Systems for Video Technology	Associate editor
Lap-Pui Chau	IEEE	IEEE Transactions on Broadcasting	Associate editor
Lap-Pui Chau	IEEE	IEEE Circuits and Systems Society Newsletter	Associate editor
Lap-Pui Chau	Springer Journal	The Visual Computer	Associate editor
Ling Guan	EUASIP	Journal of Image & Video Processing	Associate Editor
Ling Guan	Springer	Springer Journal of Signal Processing Systems (JSPS)	Associate Editor
Ling Guan	EUASIP	Journal of Electrical and Computer Engineering	Associate Editor
Shipeng Li	IEEE	IEEE Transactions on Circuits & Systems for Video Technology	Deputy EiC
Zhengguo Li	IEEE	IEEE Signal Processing Letters	Associate Editor
Chia-Wen Lin	IEEE	IEEE Transactions on Multimedia	Associate Editor & Steering Committee member
Zicheng Liu	Elsevier	Journal of Visual Communication and Image Representation	EiC
Zicheng Liu	Springer	Machine Vision and Applications	Associate Editor
Dapeng Oliver Wu	IEEE	IEEE Transactions on Circuits & Systems for Video Technology	Associate Editor
Dapeng Oliver Wu	IEEE	IEEE Transactions on Signal and Information Processing over Networks	Associate Editor
Dapeng Oliver Wu	IEEE	IEEE Signal Processing Magazine	Senior Associate Editor
Dapeng Oliver Wu	IEEE	IEEE Transactions on Multimedia, Special Issue on Cloud-based Video Processing and Content Sharing	Guest Editor
Wei Qi Yan	IGI	International Journal of Digital Crime and Forensics	Editor-in-Chief
Jian Zhang	IEEE	IEEE Transactions on Circuits & Systems for Video Technology	Associate Editor
Xiao-Ping Zhang	IEEE	IEEE Transactions on Circuits & Systems for Video Technology	Associate Editor
Xiao-Ping Zhang	IEEE	IEEE Transactions on Multimedia	Associate Editor
Xiao-Ping Zhang	IEEE	IEEE Transactions on Signal Processing	Associate Editor

Xiao-Ping Zhang	IEEE	IEEE Signal Processing Letters	Associate Editor
Donald Lie	IEEE	IEEE Microwave and Wireless Components Letters (MWCL)	Associate Editor
Donald Lie	Scientific Research Publishing	Open Journal of Applied Biosensor (OJAB)	Associate Editor-in-Chief
Donald Lie	i-manager's Publishing	i-manager's Journal on Electrical Engineering	Editorial Board Member
Donald Lie	Research Publish Journals	International Journal of Interdisciplinary Research and Innovation (IJIRI)	International Interdisciplinary Advisory and Editorial Board (IIAEB)
Jar-Ferr Yang	Academia Sinica	Journal of Information Science and Engineering, Special Issue on Advances of 3D Video Technologies	Guest Editor-in-Chief
Jar-Ferr Yang	IET	IET Signal Processing	Editorial Board Member
Jar-Ferr Yang	EURASIP	EURASIP Journal on Advances in Signal Processing	Associate Editor
Jar-Ferr Yang	Hindawi	Journal of Electrical and Computer Engineering	Associate Editor
Nam Ling	Springer	Multidimensional Systems and Signal Processing	Associate Editor
Nam Ling	Springer	Human-centric Computing and Information Sciences	Associate Editor
Jianfei Cai	IEEE	IEEE Trans on Image Processing	AE
Qi Tian	IEEE	IEEE Transactions on Multimedia	Associate Editor
Qi Tian	IEEE	IEEE Transactions on Circuits and Systems for Video Technology	Associate Editor
Qi Tian	Springer	Multimedia System Journal	Editor
Qi Tian	Springer	Machine Vision and Application Journal (MVA)	Editor
Qi Tian	Academy Publisher	Journal of Multimedia	Editor

4.3. Awards, Honors, and Recognition

(Fellow, Distinguished Lecturer, Outstanding Service, Best Paper Awards, etc.)

Your Name	Sponsor	Distinguished Lecturer	Period
Chang Wen Chen	IEEE	IEEE ICME2014 Best Paper Award	July 2014
Shao-Yi Chien	Intel	Intel Labs Distinguished Collaborative Research Award	
Jing-Ming Guo	IET	Fellow	2013-
Jing-Ming Guo	International Computer Symposium, 2014	Best Paper Award	2014
Jing-Ming Guo	IEEE Consumer Electronics Society	Outstanding Service	2014
Hsueh-Ming Hang	IEEE CASS	IEEE CASS DL	2014-2015
Lap-Pui Chau	IEEE	IEEE Broadcast Technology Society.	2014
Carl James Debono	IEEE ComSoc MMTC	Distinguished Service Award	2014
Carl James Debono	IEEE CAS	Certificate of Appreciation	2014
Ling Guan	IEEE Canada	C. C. Cotlieb Computer Medal	2014
Shipeng Li	ACM	Distinguished Speaker	2015
Zicheng Liu	IEEE CAS	Distinguished Lecturer	2015-2016
Zicheng Liu	IEEE CAS	Fellow	2015
Zicheng Liu	ACM	Best paper award, ETRA 2014	2014
Lifeng Sun	Springer	Multimedia Modeling 2015 Best Student Paper Award	2015
Donald Lie	IEEE	"A Wideband Envelope Modulator Design for Envelope-Tracking SiGe Power Amplifier (ET-PA) for Broadband Wireless Applications", Y. Li, J. Lopez and D.Y.C. Lie, Proc. IEEE 10th Int'l Conf. Wireless & Mobile Comm. (ICWMC 2014), pp.76-83, Seville, Spain, June 22-26 (2014)	June 22-26 (2014)
Nam Ling	APSIPA	Distinguished Lecturer	2014-2015
Nam Ling	Xi'an U of Posts & Telecommunications	Distinguished Professor	2015-2018
Nam Ling	Tianjin University	Guest Professor	2015-2017
Jianfei Cai		Best Student Paper Honorable Mention Award in ACCV 2014	
Jianfei Cai		IEEE MMSP 2014 Top 10% Paper Award	
Jianfei Cai		IEEE ICIP 2014 Top 10% Paper Award	
Qi Tian	UTSA	2014 Research Achievement Award, College of Science	

4.4. Keynote Speeches/Invited Talks:

Your Name	Invited by	Event/Conference Title	Talk Title	Date
Gwo Giun Lee	IEEE BigDataService	IEEE Big Data Service 2015	Algorithm/Architecture Co-Exploration for Deep Learning in Big Data Analytics	April 1, 2015
Chang Wen Chen	ICT2014	2014 International Conference on Information and Communications Technologies	Keynote: Mobile Multimedia Meet Cloud: Challenges and Future Directions	May 2014
Chang Wen Chen	IEEE ICIEA2014	9th IEEE Conference on Industrial Electronics and Application	Keynote: Mobile Social Media: Recent Advances and Challenges	June 2014
Chang Wen Chen	IEEE	ICCE-TW	Mentor Speaker of the Young Professionals Event	June 2015
Jianwen Chen	Hulu		The next generation video coding techniques	2014.10.18
Jianwen Chen	Huawei		Video Processing In Emerging Applications	2015.01.21
Jianwen Chen	Letv		Media Cloud and VASS	2015.04.15
Shao-Yi Chien	IEEE Signal Processing Society	IEEE Signal Processing Society Summer on Internet of Things and Machine-to-Machine Systems	Distributed Video Signal Processing for Internet of Things	Aug. 29, 2014
Shao-Yi Chien	Intel	Intel Asia Innovation Summit	On-line Multi-view Video Summary System on Distributed Video Sensors	Nov. 18, 2014
Shao-Yi Chien	VLSI-DAT	Tutorial of VLSI-DAT 2015	Mobile Graphics Processing Unit Design	Apr. 29, 2015
Jing-Ming Guo	IWAIT 2014	International Workshop on Advanced Image Technology, Thailand, 2014	Former developments and future possibilities of the digital halftoning	2014/01/06
Jing-Ming Guo	CVGIP 2013	IPPR Conference on Computer Vision, Graphics, and Image Processing	Digital Halftoning: A multi-functional tool beyond printing	2013/08/01
Hsueh-Ming Hang	CAS/ED Chapter of North Jersey Section	IEEE CASS DL	Technology and Standard for Virtual-view 3D Systems	May 19, 2014 (NJIT, Newark, New Jersey, USA)
Hsueh-Ming Hang	CAS Shanghai Chapter, China	IEEE CASS DL	Technology and Standard for Virtual-view 3D Systems	August 1, 2014 (Shanghai, Jiaotong University, Shanghai, China)
Hsueh-Ming Hang	CAS Chapter of Princeton-Central Jersey	IEEE CASS DL	Technology and Standard for Virtual-view 3D Systems	May 5, 2015 (Princeton Univ., New Jersey, USA)
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
Fernando Pereira	OC	PCS 2015, Cairns, Australia	Visual Coding: Step by Step Towards Reality	June 2015
Fernando Pereira	OC	ITS 2014, São Paulo, Brazil	3D video coding: the predictive and distributed approaches	August 2014
Lap-Pui Chau	Organizing committee	Computer Graphics International (CGI 2015)	Motion Capture Processing: Error Recovery, Compression and Application	24-26 June 2015
Tihao Chiang	IEEE	IEEE ASSCC 2014	What is a good way to expand a silicon value to solution value?	done
Tihao Chiang	IEEE	IEEE VLSI-DAT 2015	Multimedia Processor for Low Power Applications	done
Tihao Chiang	IEEE	VLSI Design / CAD Symposium 2015	How to bring from ideas to products?	Future
Daniel P.K. Lun	DSP 2014 Organizing Committee	19th International Conference on Digital Signal Processing	Iterative Regularization for Inverse Problems in Speech and Image Processing	22nd August , 2014
Wei Qi Yan		Xi'an Jiaotong University China	Intelligent Surveillance	Nov 2014
Donald Lie	IEEE Asia Pacific Microwave Conference (APMC'14) TPC	IEEE Asia Pacific Microwave Conference (APMC'14), pp. 1085-1088, Sendai, Japan, Nov. 4-7 (2014)	Invited Paper: "Design of Highly-Efficient Fully-Monolithic SiGe Envelope-Tracking Power Amplifiers (ET-PA) for Broadband Wireless Applications", D.Y.C. Lie, Y. Li, J. Lopez, and J. Tsay, pp. 1085-1088, Sendai, Japan, Nov. 4-7	Nov. 4-7 (2014)

			(2014)	
Nam Ling	2014 Workshop on Image and Video Processing for Applications in Electronic Scene Investigation	Keynote Speech	3D Video Coding and its Applications: The New Generation	October 20, 2014
Nam Ling	Umedia 2014	Keynote Speech	The Next Generation of 3D Video Coding Technology	July 13, 2014
Nam Ling	Tianjin University	APSIPA Distinguished Lecture	3D Video Coding and its Related Research	April 20, 2015
Nam Ling	Xi'an University of Posts and Telecommunications	Invited speech for Distinguished Professor	3D Video Coding and Our Related Research	April 16, 2015
Jianfei Cai		International Workshop on Video Segmentation in Computer Vision (ViSeg), in conjunction with ACCV'14	Object-level segmentation of images/videos using low-level cues	
Qi Tian	Prof. Jun Wu	Summer School at Tongji University	Large-scale Visual Search	July 18, 2014

4.5. Other distinguished IEEE services

(e.g., CAS BoG, Region presidents, VP, TC Chairs/Secretary)

Your Name	Organization	Position/Activities	Period
Gwo Giun Lee	IEEE Tainan Section	Secretary	2014-2015
Gwo Giun Lee	IEEE Visual Signal Processing Communications Technical Committee (VSPC-TC)	Chair	2014- now
Chang Wen Chen	IEEE CASS	Member of BOG	2013-2015
Chang Wen Chen	IEEE CASS	Member of Conference Board	2011-2015
Chang Wen Chen	IEEE CASS	Member of the TC Review Committee	2013-2015
C.-C. Jay Kuo	IEEE Signal Processing Society	Board Member	2012-2014
C.-C. Jay Kuo	APSIPA	President	2013-2014
Wen-Hsiao Peng	VSPC TC	Conference Sub-committee Co-Chair	2015-2016
Fernando Pereira	IEEE	SPS Board of Governors	2014-2016
Fernando Pereira	EURASIP	Board of Directors	2015-2018
Ming-Ting Sun	IEEE MMTC Interest Group on Multimedia Processing for Communications	Advisor	2014-2016
Ming-Ting Sun	IEEE TCSVT Best Paper Award Selection Committee	Member	2014
Anthony Vetro	IEEE Circuits & Systems Society	Fellow Committee	2011-2015
Chee Seng Chan	IEEE Computational Intelligence Society (Malaysia section)	Chairperson	2014-2015
Carl James Debono	IEEE Region 8	Vice-Chair Technical Activities	2013-2014
Carl James Debono	IEEE ComSoc MMTC Media Processing for Communications Interest Group	Co-Chair	2015
Carl James Debono	IEEE	IEEE Conferences Committee Member	2013-2015
Carl James Debono	IEEE	Technical Program Integrity Committee Chair	2015
Yun He	IEEE	Fellow	2014-
Shipeng Li	ICME	ICME Steering Committee Member Representing MSA TC	2015-2016
Zhengguo Li	IEEE Singapore Industrial Electronics Chapter	Chair	2013-2014
Chia-Wen Lin	IEEE SPS Taipei Chapter	Secretary	2014-2015
Chia-Wen Lin	IEEE Multimedia Systems & Applications Technical Committee (MSA-TC)	Chair	2013/9-2015/8
Lifeng Sun	IEEE MMTC	Co-Director of Membership Board	2014- current
Lifeng Sun	IEEE MMTC	Member of Review Board	2013- current
Pei-Yun Tsai	IEEE CASS Taipei Chapter	Secretary	2013-2014

Dapeng Wu	Oliver	Steering Committee of the IEEE Wireless Communications Letters	Member	2014-2017
Dapeng Wu	Oliver	IEEE Signal Processing Society Publications Board,	Member	2014-2017
Dapeng Wu	Oliver	Interest Group (IG) on Media Streaming, Technical Committee on Multimedia Communications, IEEE Communications Society	Advisor	2014-present
Dapeng Wu	Oliver	Interest Group (IG) on Distributed and Sensor Networks for Mobile Media Computing and Applications, Technical Committee on Multimedia Communications, IEEE Communications Society,	Advisor	2014-present
Wei Qi Yan		ACM	Chapter Chair of Multimedia of New Zealand	2013-Present
Donald Lie		IEEE	BCTM'14	General Chair
Donald Lie		IEEE	SiRF'14	General Chair
Donald Lie		IEEE	VLSI-DAT'14,15	TPC chair/co-chair
Donald Lie		IEEE	MWSCAS'14	TC & Steering Committee
Donald Lie		IEEE	RFIC Symp.'14	TC SubCom Chair
Jar-Ferr Yan		IEEE Tainan Section	Board of Governor, Award Chair	2014-2015
Nam Ling		IEEE	ICME Steering Committee Member	2014-2015
Jianfei Cai		IEEE CAS VSPC TC	TC Secretary	2014-2016

5. TC Curated Publication List

(Please list 3 (around) of your most important publications in the past year from March 2014 ~ February 2015)

Your Name	Curated Publication(s)
Gwo Giun Lee	<ol style="list-style-type: none"> 1. Gwo Giun (Chris) Lee, Chun-Fu Chen, Ching-Jui Hsiao, Jui-Che Wu, "Bi-directional Trajectory Tracking with Variable Block-size Motion Estimation for Frame Rate Up-Convertor," IEEE Journal of Emerging and Selected Topics on Circuits and Systems, Vol. 4, Iss. 1, pp. 29-42, 2014. <i>Based on the co-design of both algorithm and architecture, this paper describes the design of a variable block size motion compensated scan rate up-convertor for full HD video whereby the algorithmic performance is retained as compared to other state-of-the-art but with the architectural complexity being multiples of 10 times less.</i> 2. Gwo Giun (Chris) Lee, Chun-Fu Chen, He-Yuan Lin, Ming-Jiun Wang, "3-D Video Generation from Monocular Video Based on Hierarchical Video Segmentation," Journal of Signal Processing Systems, pp. 1-14, Oct. 2014. <i>This paper described the generation of 3D video from traditional 2D video based on high accuracy video segmentation characterizing scale invariant, rotational invariant and color features with reasonable computational complexity.</i> 3. Gwo Giun (Chris) Lee, Chun-Fu Chen, Shu-Ming Xu, Ching-Jui Hsiao, "High-Throughput Reconfigurable Variable Length Coding Decoder for MPEG-2 and AVC/H.264," Journal of Signal Processing Systems, pp. 1-14, Feb. 2015. <i>Based on the spirit of reconfigurable systems design whereby the data granularity is reduce with subsequent analysis of commonalities hence ensuring reusability, a high throughput reconfigurable VLD was designed for multiple video coding standards with considerable reduction in the gate count or area for ASIC design.</i> 4. Yi-Hua Liao, Wei-Cheng Kuo, Sin-Yo Chou, Cheng-Shiun Tsai, Guan-Liang Lin, Ming-Rung Tsai, Yuan-Ta Shih, Gwo-Giun Lee, and Chi-Kuang Sun, "Quantitative analysis of intrinsic skin aging in dermal papillae by in vivo harmonic generation microscopy," Biomedical Optics Express, vol. 5, Iss. 9 pp. 3266-3279, Sep. 2014. <i>Gabor wavelet features were applied in the quantitative analysis of the scale and directionality of collagen fibers within the epidermal and dermal layers of human skin taken from Harmonically Generated Microscopy Images. Constituting a sub-nano range imaging system named Harmoscope, the information so extracted were substantial in assisting the medical doctors and staff in the quantitative characterization of skin aging which may or may not be the actual age of the diagnosed person.</i>
Shao-Yi Chien	<ol style="list-style-type: none"> 1. S.-H. Ou, C.-H. Lee, V.S. Somayazulu, Y.-K. Chen, S.-Y. Chien, "On-line multi-view video summarization for wireless video sensor network," IEEE Journal of Selected Topics in Signal Processing (Special Issue on Visual Signal Processing for Wireless Networks), vol. 9, no.1, pp. 165—179, Feb. 2015. <i>This paper defines a new important problem for video sensor networks: distributed on-line video summary. With the proposed technique, 90% of the transmission bandwidth can be reduced while important information is well kept. This paper is listed as the top 25 popular paper of IEEE Journal of Selected Topics in Signal Processing in March 2015.</i> 2. Y.-N. Liu, Y.-C. Lin, Y.-L. Huang, and S.-Y. Chien, "Algorithm and architecture design of high-quality video upscaling using database-free texture synthesis," IEEE Transactions on Circuits and Systems for Video Technology, vol. 24, no. 7, pp. 1221-1234, July 2014. <i>It is the first hardware design for scalers with super-resolution ability. With the proposed database-free texture synthesis technique and the developed hardware architecture, the super-resolution up-scaling can be achieved in real-time with reasonable cost. The proposed algorithm and architecture will be the key components for 4K displays.</i> 3. C.-C. Kao, J.-H. Lai, and S.-Y. Chien, "VLSI architecture design of guided filter for 30 frames/s Full-HD video," IEEE Transactions on Circuits and Systems for Video Technology, vol. 24, no. 3, pp. 513--524, March 2014. <i>Guided filter is one the most important edge-preserving filter proposed recently in literatures. This work is the first VLSI architecture design of guided filter. With a TSMC 90-nm cell library, the design can operate at 100MHz and support for Full-HD (1920×1080) 30 frame/s with 92.9K gate counts and 3.2KB on-chip memory. Moreover, for the hardware efficiency, our architecture is also the best compared to other previous works with bilateral filter.</i>
Jing-Ming Guo	<ol style="list-style-type: none"> 1. J. M. Guo* and Y. F. Liu, "Improved Block Truncation Coding Using Optimized Dot Diffusion," IEEE Trans. Image Processing, vol. 23, no. 3, pp. 1269-1275, March 2014. <i>Block truncation coding (BTC) has been considered a highly efficient compression technique for decades. However, its inherent artifacts, blocking effect and false contour, caused by low bit rate configuration are the key problems. To deal with these, an improved BTC, namely dot-diffused BTC (DDBTC), is proposed in this paper. Moreover, this method can provide excellent processing efficiency by exploiting the nature parallelism advantage of the dot diffusion, and excellent image quality can also be offered through co-optimizing the class matrix and</i>

	<p><i>diffused matrix of the dot diffusion.</i></p> <ol style="list-style-type: none"> J. M. Guo*, Y. F. Liu, J. H. Chen, and J. D. Lee, "Inverse Halftoning with Context Driven Prediction," IEEE Trans. Image Processing, vol. 23, no. 4, pp. 1923-1924, April 2014. <p><i>The prior work considered an edge-based lookup table to obtain good inversed image quality, yet it suffers from some drawbacks in terms of image quality, memory consumption, and complexity. In this correspondence, an improved scheme is proposed to deal with these issues.</i></p> <ol style="list-style-type: none"> J. M. Guo*, G. H. Lai, K. S. Wong, and L. C. Chang, "Progressive Halftone Watermarking Using Multi-layer Table Lookup Strategy," IEEE Trans. Image Processing, Accepted. <p><i>A halftoning-based multilayer watermarking of low computational complexity is proposed. An additional data-hiding technique is also employed to embed multiple watermarks into the watermark to be embedded to improve the security and embedding capacity.</i></p> <ol style="list-style-type: none"> J. M. Guo* and H. Prasetyo, "Content-Based Image Retrieval Using Features Extracted From Halftoning-Based Block Truncation Coding," IEEE Trans. Image Processing, Accepted. <p><i>This paper presents a technique for content-based image retrieval (CBIR) by exploiting the advantage of low-complexity ordered-dither block truncation coding (ODBTC) for the generation of image content descriptor. Experimental results show that the proposed method is superior to the block truncation coding image retrieval systems and the other earlier methods, and thus prove that the ODBTC scheme is not only suited for image compression, because of its simplicity, but also offers a simple and effective descriptor to index images in CBIR system.</i></p>
C.-C. Jay Kuo	<ol style="list-style-type: none"> Harshad Kadu and C.-C. Jay Kuo, "Automatic human mocap data classification," IEEE Trans. on Multimedia, Vol. 16, No. 8, pp. 2191-2202, December 2014. <p><i>Automatic classification of human motion capture (mocap) data has many commercial, biomechanical, and medical applications and is the principal focus of this paper.</i></p> <ol style="list-style-type: none"> Hang Yuan, Ishfaq Ahmad and C.-C. Jay Kuo, "Performance-constrained energy reduction in data centers for video sharing services," Journal of Parallel and Distributed Computing, Vol. 75, pp. 29-39, 2015. <p><i>This paper aims to optimize energy consumption while ensuring service delay constraints in data centers that provide large-scale video-sharing services.</i></p> <ol style="list-style-type: none"> Alex Hsu, David Wei and C.-C. Jay Kuo, "Coexistence Wi-Fi MAC Design for Mitigating Interference Caused by Collocated Bluetooth," IEEE Trans. on Computers, Vol. 64, No. 2, February 2015. <p><i>A non-collaborative coexistence mechanism for wireless-fidelity (Wi-Fi) and bluetooth (BT) systems based on dynamic packet fragmentation is proposed in this work.</i></p>
Hongliang Li	<ol style="list-style-type: none"> Tiecheng Song, Hongliang Li, et. al., "Exploring Space-frequency Co-occurrences via Local Quantized Patterns for Texture Representation", Pattern Recognition, Accepted for publication, March, 2015. Qingbo Wu, Hongliang Li, et.al. "Blind Image Quality Assessment Based on Multi-Channel Features Fusion and Label Transfer", IEEE Transactions on Circuits and Systems for Video Technology, vol. PP, no. 99, DOI: 10.1109/TCSVT.2015.2412773, Feb., 2015. Fanman Meng, Hongliang Li, et al. "Constrained Directed Graph Clustering and Segmentation Propagation for Multiple Foregrounds Co-segmentation", IEEE Transactions on Circuits and Systems for Video Technology, vol. PP, no. 99, DOI: 10.1109/TCSVT.2015.2402891, Jan., 2015. M. Wang, K.N. Ngan, and H. Li, "An Efficient Frame-Content Based Intra Frame Rate Control for High Efficiency Video Coding," IEEE Signal Processing Letters, vol. 22, no. 7, pp 896 - 900, 2015. Jian Xiong, Hongliang Li, Fanman Meng, Shuyuan Zhu, Qingbo Wu, and Bing Zeng, "MRF-based Fast HEVC Inter CU Decision with the Variance of Absolute Differences," IEEE Transactions on Multimedia, vol. 16, no. 8, pp. 2141-2153, Dec., 2014. Hongliang Li, Fanman Meng, Bing Luo, Shuyuan Zhu, "Repairing Bad Co-segmentation using Its Quality Evaluation and Segment Propagation," IEEE Transactions on Image Processing, vol. 23, no. 8, pp. 3545-3559, 2014. Guanghui Liu, Liaoyuan Zeng, Hongliang Li, Linfeng Xu, and Zhengning Wang, "Adaptive interpolation for pilot-aided channel estimator in OFDM system", IEEE Transactions on Broadcasting, vol. 60, no. 3, page 486-498, Sep, 2014. Hongliang Li, Fanman Meng, Qingbo Wu, and Bing Luo, "Unsupervised Multi-class Region Co-segmentation via Ensemble Clustering and Energy Minimization", IEEE Transactions on Circuits and Systems for Video Technology, vol. 24, no. 5, pp. 789-801, May. 2014. Wang Luo, Hongliang Li, Guanghui Liu, and Liaoyuan Zeng, "Semantic Annotation of Satellite Images Using Author-Genre-Topic Model," IEEE Transactions on Geoscience and Remote Sensing, vol. 52, no.2, pp. 1356-1368, 2014.
Weiyao Lin	<ol style="list-style-type: none"> Weiyao Lin, Y. Chen, J. Wu, H. Wang, B. Sheng, H. Li, "A new network-based algorithm for human activity recognition in videos," IEEE Trans. Circuits and Systems for Video Technology, vol. 24, no. 5, pp. 826-841, 2014. <p><i>A new network-transmission-based (NTB) algorithm is proposed for human activity recognition in videos. The</i></p>

	<p><i>proposed NTB algorithm models the entire scene as an error-free network. In this network, each node corresponds to a patch of the scene and each edge represents the activity correlation between the corresponding patches. Based on this network, we further model people in the scene as packages while human activities can be modeled as the process of package transmission in the network. By analyzing these specific "package transmission" processes, various activities can be effectively detected. The implementation of our NTB algorithm into abnormal activity detection and group activity recognition are described in detail in the paper.</i></p> <p>2. Weiyao Lin, Y. Zhang, J. Lu, B. Zhou, J. Wang, Y. Zhou, "Summarizing surveillance videos with local-patch-learning-based abnormality detection, blob sequence optimization, and type-based synopsis," <i>Neurocomputing</i>, vol. 155, pp. 84-98, 2015.</p> <p><i>In this paper, we propose a new approach to detect abnormal activities in surveillance videos and create suitable summary videos accordingly. The proposed approach first introduces a patch-based method to automatically model normal activity patterns and key regions in a scene. In this way, abnormal activities can be effectively detected and classified from the modeled normal patterns and key regions. Then, a blob sequence optimization process is proposed which integrates spatial, temporal, size, and motion correlation among objects to extract suitable foreground blob sequences for abnormal objects. With this process, blob extraction errors due to occlusion or background interference can be effectively avoided. Finally, we also propose an abnormality-type-based method which creates short-period summary videos from long-period input surveillance videos by properly arranging abnormal blob sequences according to their activity types.</i></p> <p>3. Y. Zhang, Weiyao Lin, B. Zhou, Z. Chen, B. Sheng, J. Wu, "Facial expression cloning with elastic and muscle models," <i>Journal of Visual Communication and Image Representation</i>, vol. 25, no. 5, pp. 916-927, 2014.</p> <p><i>Expression cloning plays an important role in facial expression synthesis. In this paper, a novel algorithm is proposed for facial expression cloning. The proposed algorithm first introduces a new elastic model to balance the global and local warping effects, such that the impacts from facial feature diversity among people can be minimized, and thus more effective geometric warping results can be achieved. Furthermore, a muscle-distribution-based (MD) model is proposed, which utilizes the muscle distribution of the human face and results in more accurate facial illumination details. In addition, we also propose a new distance-based metric to automatically select the optimal parameters such that the global and local warping effects in the elastic model can be suitably balanced.</i></p>
Enrico Magli	<p>1. A.M. Sheikh, A. Fiandrotti, E. Magli, "Distributed Scheduling for Low-Delay and Loss-Resilient Media Streaming with Network Coding," <i>IEEE TRANSACTIONS ON MULTIMEDIA</i>, vol. 16 n. 8, pp. 2294-2306, Dec. 2014</p> <p><i>25-word summary: An algorithm allowing distributed collaborative streaming systems to independently schedule packets so as to optimize quality of experience in a network coding scenario.</i></p> <p>2. G. Coluccia, A. Roumy, E. Magli, "Operational Rate-Distortion Performance of Single-source and Distributed Compressed Sensing," <i>IEEE TRANSACTIONS ON COMMUNICATIONS</i>, vol. 62 n. 6, pp. 2022-2033, June 2014.</p> <p><i>25-word summary: Theoretical analysis of compressed sensing – employs innovative mathematical methods to derive exact R/D performance bounds for single and multiple sources, generalizing and improving previous results.</i></p>
Wen-Hsiao Peng	<p>1. C. C. Chen, X. Xu, R. L. Liao, W. H. Peng, S. Liu, and S. Lei, "Screen Content Coding Using Non-square Intra Block Copy for HEVC," <i>Proc. IEEE International Conference on Multimedia and Expo, ICME-2014, China, July, 2014.</i></p> <p><i>This paper presents a non-square intra block copy technique for HEVC-based screen content coding. It first observed the non-symmetric signal correlations inherited in typical screen content and then made full use of such correlations to achieve better compression performance. The technique was adopted into the ISO/IEC & ITU-T standard specification of HEVC Screen Content Coding Extensions.</i></p>
Fernando Pereira	<p>1. C. Brites, F. Pereira, "Epipolar geometry-based side information creation for multiview Wyner-Ziv video coding", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, vol. 24, n° 10, pp. 1771-1786, October 2014.</p> <p>2. Dias, C. Brites, J. Ascenso, F. Pereira, "SIFT-based homographies for efficient multiview distributed visual sensing", <i>IEEE Sensors Journal</i>, Special Issue on Distributed Smart Sensing for Mobile Vision, vol. 15, no. 5, pp. 2643-2656, May 2015.</p> <p>3. Brites, F. Pereira, "Correlation noise modeling for multiview transform domain Wyner-Ziv video coding", <i>Int. Conf. on Image Processing (ICIP'2014)</i>, Paris, France, October 2014.</p> <p>4. X. HoangVan, J. Ascenso, F. Pereira, "Optimal reconstruction for a HEVC backward compatible distributed scalable video codec", <i>Visual Communications and Image Processing (VCIP'2014)</i>, Valletta, Malta, December 2014.</p>
Li Song	<p>1. J. Feng , Li Song, X. Huo , X. Yang , W. Zhang, " An Optimized Pixel-Wise Weighting Approach for Patch-Based Image Denoising ", <i>IEEE Signal Processing Letter</i>. Vol. 22, No. 1, pp. 115-119, 2015.</p> <p>2. J. Feng, X. Huo, Li Song, X. Yang, W. Zhang, " Evaluation of Different Algorithms of Nonnegative Matrix Factorization in Temporal PsychoVisual Modulation ", <i>IEEE Trans On Circuits and Systems for Video Tech.</i> , Vol. 24, No. 4, pp. 553-565, 2014.</p> <p>3. Z. Wang, P. Wang, H. Zhang, H. Zhang, S. Zheng, Li Song, "Texture Direction Based Optimization for Intra Prediction in HEVC", <i>IEICE Transactions on Information and Systems</i>, vol.E97.D(5):1390-1393, 2014.</p>
Huifang Sun	<p>1. Video Coding Extensions of AVC and HEVC", <i>IEEE Transactions on Circuits and Systems for Video</i></p>

	<p>2. Technology, DOI: 10.1109/TCSVT.2014.2313891, ISSN: 1051-8215, Vol. PP, No. 99, pp. 1, March 2014.</p> <p>Xianming Liu, Debin Zhao, Jiantao Zhou, Wen Gao, Huifang Sun "Image interpolation via graph-based Bayesian label propagation" IEEE Transactions on Image Processing, March 2014; 23(3):1084-96.</p>
Ming-Ting Sun	<p>1. H. Liu, M. Philipose, and M.T. Sun, "Automatic Object Segmentation with RGB-D Cameras," Special issue on 3D video processing, Journal of Visual Communication and Image Representation, vol. 25, Issue 4, pp. 709-718, May 2014.</p> <p>Summary: In this paper, we combine the depth and RGB information for automatic object segmentation, and propose techniques to reduce noise and synchronization problems in an RGB-D camera.</p> <p>2. H. Liu, M. Philipose, M. Patterson, and M.T. Sun, "Recognizing Object Manipulation Activities Using Depth and Visual Cues," Special issue on 3D video processing, Journal of Visual Communication and Image Representation, vol. 25, Issue 4, pp. 719-726, May 2014.</p> <p>Summary: In this paper, we propose a framework, consisting of several algorithms to recognize human activities that involve manipulating objects. Our techniques outperform the state-of-the-art significantly in activity/object recognition.</p> <p>3. Z. Pan, S. Kwong, M.T. Sun, and J. Lei, "Early MERGE Mode Decision Based on Motion Estimation and Hierarchical Depth Correlation for HEVC," IEEE Transactions on Broadcasting, vol. 60, no. 02, pp. 405-412, June 2014.</p> <p>Summary: In this paper, we propose an early MERGE mode decision algorithm to reduce the computational complexity of the HEVC encoder. With the proposed algorithm, 35% encoding time saving on average can be achieved.</p> <p>4. L. Sun, M.L. Song, Z. Liu, M.T. Sun, "Realtime Gaze Estimation with Online Calibration," IEEE MultiMedia, vol. 21, no. 4, pp. 28-37, Oct.-Dec. 2014.</p> <p>Summary: In this paper, we present a novel 3D gaze estimation algorithm with online calibration, and demonstrate its use in real-time applications.</p> <p>5. M. Strathman, Y. Liu, E.G. Keeler, M. Song, U. Baran, M.T. Sun, X. Li, R. Wang, and L.Y. Lin, "MEMS Scanning Micromirror for Optical Coherence Tomography," Biomedical Optics Express, vol.5, issue 1, pp.211-224, January 2015.</p> <p>Summary: This paper describes an endoscopic-inspired imaging system employing a micro electromechanical system (MEMS) micromirror scanner to achieve beam scanning for optical coherence tomography (OCT) imaging.</p> <p>6. C. Zhu, J. Lei, S. Li, M.T. Sun, and C. Hou, "Depth Coding Based on Depth-Texture Motion and Structure Similarities," IEEE Transactions on Circuits and Systems for Video Technology, vol.25, no.2, pp. 275-286, February 2015.</p> <p>Summary: In this paper, we propose a high performance depth coding in 3D video by making good use of its coded texture video counterpart. Simulation results confirm the effectiveness of the proposed approach.</p>
Anthony Vetro	<p>1. F. Zou, D. Tian, A. Vetro, H. Sun, O.C. Au, S. Shimizu, "View Synthesis Prediction in the 3D Video Coding Extensions of AVC and HEVC", IEEE Transactions on Circuits and Systems for Video Technology, DOI: 10.1109/TCSVT.2014.2313891, ISSN: 1051-8215, Vol. 24, No. 10, pp. 1696-1708, March 2014.</p> <p><i>View synthesis prediction is proposed to improve coding efficiency of multiview plus depth video; these designs were adopted in the 3D extensions of both AVC and HEVC.</i></p>
Lu Yu	<p>1. Yichen Zhang, Yin Zhao, Lu Yu , Block-based In-loop View Synthesis for 3D Video Coding , IEEE Signal Processing Letters , 2014.4</p> <p><i>View synthesis prediction (VSP) employs a synthesized picture as a reference picture for current-view texture coding, which is an advanced disparity-compensated prediction. However, the picture-based view synthesis demands huge complexity, especially for decoders. Therefore, we propose a block-based in-loop view synthesis scheme which generates VSP samples only for blocks using VSP modes (called target blocks). For a target block, a window in reference view is estimated. Then, pixels within the window are warped to the current view, producing VSP samples for the target block. The proposed method turns the picture-level VSP sample generation into macroblock-level process, and significantly reduces complexity of the VSP module while maintaining coding efficiency.</i></p> <p>2. Zhichu He, Lu Yu, Xiaozhen Zheng, Siwei Ma , AVS2-VIDEO CODING STANDARD- AN APPLICATION-ORIENTED AND HIGH PERFORMAMCE VIDEO CODING STANDARD , ICME 2014 , 2014.7</p> <p><i>The second generation of Audio-video coding standard (AVS2) is an application-oriented video coding standard aiming at higher video coding efficiency. This paper gives an overview of AVS2. Results show that main profile has as high as 49.5% and 44.0% bit rate saving in non-low-delay and low-delay configurations compared to the first generation AVS. And scene profile has as much as 52.7% and 28.5 % additional coding gain in non-low-delay and low-delay configuration compared to main profile.</i></p> <p>3. Xin Ye, Dandan Ding, Lu Yu , A Hardware-oriented IME Algorithm and Its Implementation for HEVC , IEEE Visual Communication and Image Processing 2014 (VCIP) , 2014.12</p> <p><i>The flexible coding structure in High Efficiency Video Coding (HEVC) introduces many challenges to real-time implementation of the integer-pel motion estimation (IME). In this paper, a hardware-oriented IME algorithm naming parallel clustering tree search (PCTS) is proposed, where various prediction units (PU) are processed</i></p>

	<p><i>simultaneously with a parallel scheme. As a result, the hardware implementation based on the proposed algorithm can support real-time video applications of QFHD (3840×2160) at 30fps.</i></p> <p>4. Wenhao Hong, Yin Zhao, Lu Yu, Ce Zhu, Detection Model of Luster Effect in Binocular Rivalry, DSP 2014, 2014.8</p> <p><i>Binocular rivalry occurs when dichoptic images presented to the two eyes are too dissimilar to be fused. In this paper, our work focuses on a detection model of binocular luster. A psychophysical experiment was conducted to detect the binocular luster thresholds due to binocular luminance discrepancy in different binocular disparities. The luster effect could be introduced into stereoscopic images based on the detection model. In this way, a fluctuating shine effect could be perceived on 3D displays.</i></p>
Junsong Yuan	<p>1. Gang Yu, Junsong Yuan, and Zicheng Liu, "Propagative Hough Voting for Human Activity Detection and Recognition", in IEEE Trans. on Circuits and Systems for Video Technology (T-CSVT), Vol. 25, No. 1, pp. 87-98, 2015.</p> <p><i>25-word summary: A novel Hough voting algorithm that can achieve state-of-the-art performance for different action analysis tasks such as activity search (limited training) and recognition (sufficient training).</i></p> <p>2. Hui Liang, Junsong Yuan, and Daniel Thalmann, "Parsing the Hand in Depth Images," in IEEE Trans. on Multimedia (T-MM), Vol. 16, No. 5, pp. 1241-1253, 2014</p> <p><i>25-word summary: A robust hand parsing scheme to extract a high-level description of the hand from the depth image. A hand gesture recognition demo is built.</i></p> <p>3. Hongxing Wang, Junsong Yuan, and Ying Wu, "Context-Aware Discovery of Visual Co-occurrence Patterns", in IEEE Trans. on Image Processing (T-IP), Vol. 23, No. 4, pp.1805-1819, 2014</p> <p><i>25-word summary: A visual pattern discovery algorithm for image pattern mining. This work has been selected into the teaching slides of the data mining course by Coursera.</i></p>
Lifeng Sun	<p>1. Zhi Wang, Wenwu Zhu, Minghua Chen, Lifeng Sun, Shiqiang Yang: CPCDN: Content Delivery Powered by Context and User Intelligence. IEEE Transactions on Multimedia 17(1): 92-103 (2015)</p> <p>2. Xiahong Lin, Zhi Wang, Lifeng Sun: MAP: Microblogging Assisted Profiling of TV Shows. Multimedia Modeling 2015: 442-453. Best Student Paper Award</p> <p>3. Kang Zhang, Yuqiang Fang, Dongbo Min, Lifeng Sun, Shiqiang Yang, Shuicheng Yan, Qi Tian: Cross-Scale Cost Aggregation for Stereo Matching. IEEE CVPR 2014: 1590-1597</p> <p>4. Zhi Wang, Lifeng Sun, Chuan Wu, Wenwu Zhu, Shiqiang Yang: Joint online transcoding and geo-distributed delivery for dynamic adaptive streaming. IEEE INFOCOM 2014: 91-99</p>
Jian Zhang	<p>1. Xinwang Liu, Lei Wang, Jian Zhang, Jianping Yin, and Huan Liu, "Global and Local Structure Preservation for Feature Selection" IEEE Transactions on Neural Networks and Learning Systems, Vol. 25, No. 6, pp. 1083 – 1095, JUNE 2014.</p> <p><i>The paper proposes a global and local structure preservation framework for feature selection (GLSPFS) which integrates both global pairwise sample similarity and local geometric data structure to conduct feature selection</i></p> <p>2. Tuan Hue Thi, Li Wang, Ning Ye, Jian Zhang, Sebastian Maurer-Stroh and Li Cheng, "Recognizing Flu-like Symptoms from Videos", BMC Bioinformatics (http://www.biomedcentral.com/1471-2105/15/300, Open Access), September 2014.</p> <p>3. Jingsong Xu, Qiang Wu, Jian Zhang, Fumin Shen and Zhenmin Tang, "Boosting Separability in Semi-supervised Learning for Object Classification" IEEE Transactions on Circuits and Systems for Video Technology, Vol. 24, No. 7, pp.1197-1208, July 2014.</p>
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Pascal Frossard	<p>1. <u>Graph-based representation for multiview image geometry</u> Thomas Maugey, Antonio Ortega and Pascal Frossard</p>

	<p>IEEE Transactions on Image Processing, vol. 24, no 5, pp. 1573-1586, May 2015..</p> <p>2. <u>A Poisson Hidden Markov Model for Multiview Video Traffic</u> Lorenzo Rossi, Jacob Chakareski, Pascal Frossard and Stefania Colonnese IEEE/ACM Transactions on Networking, vol. 23, no 2, pp. 547-558, April 2015.</p> <p>3. <u>Optimizing Multiview Video plus Depth Prediction Structures for Interactive Multiview Video Streaming</u> Ana De Abreu, Pascal Frossard and Fernando Pereira IEEE Journal of Selected Topics in Signal Processing, Special Issue on Interactive Media Processing for Immersive Communication, vol. 9, no 3, pp. 487-500, April 2015.</p> <p>4. <u>Anchor View Allocation for Collaborative Free Viewpoint Video Streaming</u> Dongni Ren, Gary Chan, Gene Cheung, Vicky Zhao and Pascal Frossard IEEE Transactions on Multimedia, vol. 17, no 3, pp. 307-322, March 2015.</p> <p>5. <u>Coding Structure and Replication Optimization for Interactive Multiview Video Streaming</u> Dongni Ren, S.-H. Gary Chan, Gene Cheung and Pascal Frossard IEEE Transactions on Multimedia, vol. 16, no 7, pp. 1874-1887, November 2014.</p> <p>6. <u>Decoding Delay Minimization in Inter-Session Network Coding</u> Eirina Bourtsoulatze, Nikolaos Thomos and Pascal Frossard IEEE Transactions on Communications, vol. 62, no 6, pp. 1944-1957, June 2014.</p>
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Donald Lie	<p>1. Invited book chapter: "Envelope Tracking Techniques Applied to a Fully-Monolithic Silicon-Based RF Power Amplifier System" by Donald Y.C. Lie, Yan Li, and Jerry Lopez in the book "Envelope Tracking Techniques", Wiley Encyclopedia of Electrical and Electronics Engineering (EEE), Editor-in-Chief, Mihai Peterca; Published</p>

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