

Introduction of New Associate Editors

I would like to welcome 22 new outstanding researchers who are joining the IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY (TCSVT) Editorial Board (EB) as Associate Editors. They are all respected and well-known experts in TCSVT-related fields. I am looking forward to working closely with them and all other existing TCSVT EB members to push TCSVT to a new level. Their profiles are as follows. Welcome aboard!

SHIPENG LI, *Editor-in-Chief*



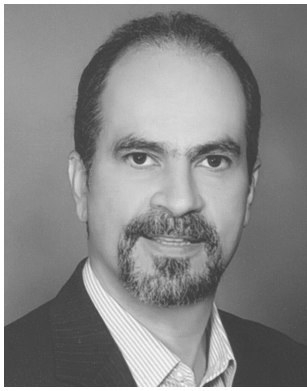
Lark Kwon Choi (M'14) received the B.S. degree in electrical engineering from Korea University, Seoul, South Korea, in 2002, the M.S. degree in electrical engineering and computer science from Seoul National University, Seoul, in 2004, and the Ph.D. degree from the Laboratory for Image and Video Engineering, Department of Electrical and Computer Engineering, The University of Texas at Austin, Austin, TX, USA, under the supervision of Dr. A. C. Bovik, in 2015. From 2004 to 2009, he was a Senior System Engineer working on IPTV video streaming service platform research and development with KT, Seoul. He is currently a Staff Engineer on QCT Camera Systems at Qualcomm, San Diego, CA, USA. He contributed to IPTV standardization in ITU-T, IETF, and TTA. He is currently developing the IQA/VQA systems for mobile cameras on noise reduction, texture, sharpness, 3A, HDR, stabilization, Bokeh, and AI. His research interests include image and video quality assessment, spatial and temporal visual masking, motion perception, defogging, and perceptual image and video quality enhancement. He serves as an Associate Editor for the IEEE TCSVT. He is also a Reviewer of the IEEE TIP, JSTSP, TWC, SPL, ARVO JOV, ELSEVIER SPIC, PRL, JVC, NEUCOM, and SAGE ARX.



Lu Fang (M'08–SM'16) received the B.E. degree from the University of Science and Technology of China in 2007 and the Ph.D. degree from The Hong Kong University of Science and Technology in 2011. She is currently an Associate Professor with the Tsinghua-Berkeley Shenzhen Institute, Tsinghua University. Her research interests include computational photography and 3D vision. She was a TC member of MMSP-TC from 2014 to 2016. She received the Best Student Paper Award at ICME 2017, and was a finalist for the Best Paper Award at ICME 2011 and at ICME 2017. She was a Guest Editor of the IEEE JSTSP.



Shenghua Gao (M'17) received the B.E. degree from the University of Science and Technology of China in 2008 and the Ph.D. degree from Nanyang Technological University in 2012. From 2012 to 2014, he was a Research Scientist with the UIUC Advanced Digital Sciences Center. In 2015, he visited the University of California at Berkeley as a Visiting Professor. He is currently an Assistant Professor with ShanghaiTech University, China. His research interests include computer vision and machine learning. He has published more than 50 papers on image and video understanding in many top-tier international conferences and journals. He was awarded the Microsoft Research Fellowship in 2010 and was an ACM Shanghai Young Research Scientist in 2015. His work on personalized saliency detection was nominated for the Outstanding Student Award (Runner-Up) in IJCAI 2017. He has served as the General Co-Chair at several workshops in ACCV 2014, ACCV 2016, and CVPR2017 and the Area Chair at ICCV 2019.



Mahmoud Reza Hashemi (M'01) received the B.Sc. and M.Sc. degrees in electrical engineering from the University of Tehran and the Ph.D. degree from the University of Ottawa, Canada.

He is currently a tenured Associate Professor with the School of Electrical and Computer Engineering, University of Tehran. He is also the Co-Founder and the Director of the Multimedia Processing Laboratory. His research interests include multimedia systems and networking, computer architecture, security and trust in cloud computing, and, recently, cloud gaming. The results of his research have led to more than 140 publications, and over 51 researchers trained at the post-doctoral, Ph.D., master's, and research engineer levels.

Dr. Hashemi is a member of the editorial board of several journals and has chaired or served on the organizing and program committees of numerous international conferences in multimedia and information technology. He was a recipient of the IEEE International Conference on Multimedia and Expo Quality Reviewer Awards in 2011 and 2013.



Xi Li (M'11) received the B. Eng degree from Beihang University, Beijing, China, and the Ph.D. degree from NLPR, Institute of Automation, Chinese Academy of Sciences, China. In 2009, he was a Post-Doctoral Research Fellow, CNRS, Télécom ParisTech, France. From 2010 to 2014, he was a Senior Research Fellow with ACVT, The University of Adelaide, Australia. He has been a Full Professor with the College of Computer Science, Zhejiang University, China. He has published approximately 130 top conference and leading journal papers, from which many technologies are already transferred to the industry. His research interests mainly concentrate on computer vision and machine learning with applications to smart city management and E-commerce. He received two Best International Conference Paper Awards, (including the ACCV 2010 and DICTA 2012), the ICIP 2015 Top 10% Conference Paper Award, and the ACML 2017 Best Student Paper Award. He received two China Natural Science and Technology Awards (including first-class and second-class prizes) and the Chinese Patent Excellence Award. He was invited as a Plenary Speaker to many well-known conferences, including the RACV 2016,

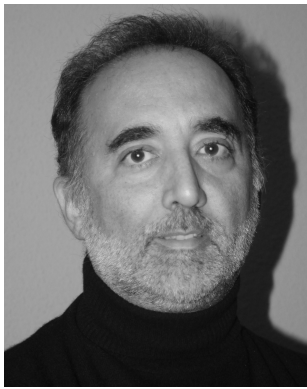
ICSW 2017, ICDS 2017, and IEEE FMT 2018. He has devoted his efforts to enabling many academic roles in conference organization, including the ICPR 2018 AC and ICCV 2019 AC, and journal editorial service, including AE of the IEEE TNNLS, *Neurocomputing*, and *Neural Processing Letters*.



Lucio Marcenaro (M'11) received the Electronic Engineering degree and the Ph.D. degree in computer science and electronic engineering from the University of Genoa in 1999 and 2003, respectively.

He enjoys over 20 years of experience in image and video sequence analysis. He has authored about 120 technical papers related to signal and video processing for computer vision. From 2003 to 2010, he was a CEO and a Development Manager with TechnoAware srl. In 2011, he became Assistant Professor of telecommunications with the Department of Electrical, Electronic, Telecommunications Engineering and Naval Architecture, Faculty of Engineering, University of Genoa, where he teaches the courses of pervasive electronics and computer programming and telematics. His main current research interests are video processing for event recognition, detection and localization of objects in complex scenes, distributed heterogeneous sensors ambient awareness systems, ambient intelligence, and bio-inspired cognitive systems.

Dr. Marcenaro was the General Chair of the Symposium on Signal Processing for Understanding Crowd Dynamics organized within the 2016 IEEE GlobalSIP. He is also the Technical Program Co-Chair for the 13th International Conference on Distributed Smart Cameras and a Co-Organizer for the 2019 Summer School on Signal Processing. Since 2018, he has been an Associate Editor of the IEEE TRANSACTIONS ON IMAGE PROCESSING.



José M. Martínez (SM'14) received the Telecommunications Engineer degree and the Ph.D. degree in communications from the Universidad Politécnica de Madrid in 1991 and 1998, respectively.

From 1991 to 2002, he was a member of the Grupo de Tratamiento de Imágenes, Universidad Politécnica de Madrid. In 2002, he moved to the Universidad Autónoma de Madrid and started the Video Processing and Understanding Laboratory together with Dr. J. Bescós. He is currently a Full Professor with the Escuela Politécnica Superior, Universidad Autónoma de Madrid. His professional interests cover different aspects of video processing and understanding technologies, with a special focus on advanced video monitoring systems and multimedia information systems. He has authored and co-authored more than 150 papers in international journals and conferences. He was actively involved in the development of the MPEG-7 standard, being a co-editor of two parts of it.

Dr. Martínez was the Technical Co-Chair of the VLBV 2003, the Special Sessions Chair of the SAMT 2006, the Special Sessions Chair of the WIAMIS 2008, the Program Co-Chair of the CBMI 2009, and the General-Chair of the CBMI 2011. He has acted as an Auditor and a Reviewer for the EC for IST Projects (expert number EX2002B007505). He has acted as a reviewer for journals and conferences. From 2014 to 2017, he was an Associate Editor of the IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY.



Jingjing Meng (M'09) received the B.E. degree from the Huazhong University of Science and Technology, China, the M.S. degree from Vanderbilt University, and the Ph.D. degree from Nanyang Technological University, Singapore.

She has also spent a few years as a Senior Staff Research Engineer with Motorola's Applied Research Center (formerly Motorola Labs), Schaumburg, IL, USA. She is currently a Faculty Member with the Computer Science and Engineering Department, State University of New York at Buffalo. Her research interests include computer vision, multimedia content retrieval, and virtual and augmented realities on mobile devices. She is also a member of the IEEE Circuits and Systems Society, Multimedia Systems and Applications Technical Committee. She received the Best Paper Award from the IEEE TRANSACTIONS ON MULTIMEDIA in 2016. She has served as the Area Chair for the IEEE International Conference on Multimedia and Expo and the IEEE Conference on Image Processing and the Finance Chair for the 2015 IEEE Conference on Visual Communications and Image Processing. She is also an Associate Editor of the *Visual Computer* journal.



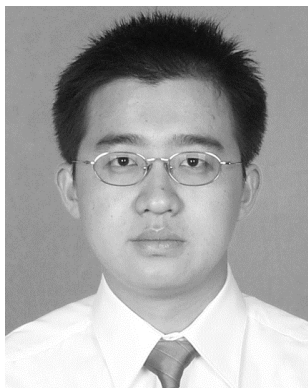
Hongying Meng (M'10–SM'17) received the B.Sc. degree in applied mathematics and software engineering, the M.Sc. degree in probability theory and statistics, and the Ph.D. degree in communication and electronic systems from Xi'an Jiaotong University, Xi'an, China.

From 1998 to 2000, he was a Post-Doctoral Research Fellow with the Department of Electronic Engineering, Tsinghua University, Beijing, China, where he was a Lecturer from 2000 to 2001. After that, he was a Research Fellow with several U.K. universities, including University College London, the University of York, the University of Lincoln, the University of Dundee, and the University of Southampton. He is currently a Senior Lecturer with Brunel University London, London, U.K. He has authored or co-authored over 130 refereed journal and conference papers, including the IEEE TRANSACTIONS ON CYBERNETICS, IEEE TRANSACTIONS ON FUZZY SYSTEMS, IEEE TRANSACTIONS ON AFFECTIVE COMPUTING, IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, and IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING.

His current research interests include digital signal processing, computer vision, machine learning, human–computer interaction, embedded systems, and communications. His emotion recognition systems based on audio and video have won two international challenges: AVEC 2011 and AVEC 2013.



Wen-Hsiao Peng (M'09–SM'13) received the Ph.D. degree from National Chiao Tung University (NCTU), Taiwan, in 2005. From 2000 to 2001, he was with the Intel Microprocessor Research Laboratory, USA, where he was involved in the development of ISO/IEC MPEG-4 fine granularity scalability. Since 2003, he has been actively participating in the ISO/IEC and ITU-T video coding standardization process and contributed to the development of SVC, HEVC, and SCC standards. He was a Visiting Scholar with the IBM Thomas J. Watson Research Center, USA, from 2015 to 2016. He is currently a Professor with the Computer Science Department, NCTU. He has authored over 70 journal/conference papers and over 60 standards' contributions. His research interests include learning-based video compression and processing, multimedia analytics, and computer vision. He is a member of the IEEE CASS VSPCTC and MSATC. He was the Publication Chair of the 2019 IEEE ICIP, the Technical Program Co-Chair of the 2011 IEEE VCIP, 2017 IEEE ISPACS, and 2018 APSIPA ASC, the Area Chair of the IEEE ICME and VCIP, and the Track Chair and an RCM Member of the IEEE ISCAS. He has organized several special sessions in these conferences. He has served as the Lead Guest Editor/Guest Editor/SEB Member for IEEE JETCAS. He was elected as the Chair-Elect of the IEEE CASS VSPCTC and a Distinguished Lecturer of APSIPA.



Yuxin Peng (M'11) received the Ph.D. degree in computer application technology from Peking University, Beijing, China, in 2003. He was an Assistant Professor with the Institute of Computer Science and Technology (ICST), Peking University. He was promoted to an Associate Professor and a Professor at Peking University in 2005 and 2010, respectively, where he is currently a Professor with ICST and the Chief Scientist with the National Hi-Tech Research and Development Program of China (863 Program). In 2006, he was authorized by the Program for New Star in Science and Technology of Beijing and the Program for New Century Excellent Talents in University. He has authored over 130 papers in refereed international journals and conference proceedings, including the IJCV, TIP, TCSVT, TMM, TCYB, TOMM, ACM MM, ICCV, CVPR, IJCAI, and AAAI. He has submitted 38 patent applications and received 24 of them. His current research interests mainly include cross-media analysis and reasoning, image and video analysis and retrieval, and computer vision. He led his team to win first place in the Video Instance Search Evaluation of TRECVID for the past seven years. He received the First Prize of the Beijing Science and Technology Award in 2016 (technological invention, ranking first).



Fernando Pescador (M'07–SM'13) received the Ph.D. degree from the Universidad Politécnica de Madrid (UPM) in 2011. His Ph.D. thesis was on the design of methodologies to optimize the execution of video decoders using DSP-based platforms.

Since 1995, he has been an Associate Professor with UPM. He has been with the Electronic and Microelectronic Research Group since 1999 and the Research Center of Multimedia Technologies (CITSEM) since 2012. He is currently the Head of the Telematics and Electronic Engineering Department. His research interests are real-time video coding, multiprocessor architectures for video coding, optimization of video decoders in both, execution time and power consumption, and digital video broadcasting. In these topics, he has supervised more than 20 final degrees, a master thesis, and two doctoral degrees. During the last ten years, he has published more than 15 papers in indexed journals related to the implementation of optimized video decoders and has participated in R&D projects on the same topic.



Chunhua Shen (M'11) received the Ph.D. degree from The University of Adelaide. He studied at Nanjing University, Australian National University.

From 2012 to 2016, he held an Australian Research Council Future Fellowship. He was with the Computer Vision Program, Canberra Research Laboratory, National ICT Australia, for about six years. He is currently a Professor with the School of Computer Science, The University of Adelaide. He is also a Project Leader and a Chief Investigator at the Australian Research Council Centre of Excellence for Robotic Vision, where he leads a project on machine learning for robotic vision. His research interests are in the intersection of computer vision and statistical machine learning.



Qi Wang (M'15–SM'15) received the B.E. degree in automation and the Ph.D. degree in pattern recognition and intelligent systems from the University of Science and Technology of China in 2005 and 2010, respectively. He is currently a Professor with the Center for Optical Imagery Analysis and Learning, Northwestern Polytechnical University, Xi'an, China. His research interests include computer vision, pattern recognition, and their related applications in video analysis and understanding. For more details: <http://crabwq.github.io/>



Changhu Wang (M'07–SM'14) received the B.E. and Ph.D. degrees from the University of Science and Technology of China in 2004 and 2009, respectively.

He was a Research Engineer with the Department of Electrical and Computer Engineering, National University of Singapore, in 2008. He was a Lead Researcher with Microsoft Research Asia from 2009 to 2017. He is currently the Director of the ByteDance AI Lab, where he is leading the Visual Computing Team, working on computer vision, multimedia analysis, and machine learning. He has authored or co-authored over 50 papers in high-quality journals and conferences. His team is responsible for applying the techniques from these areas to a broad range of multimedia and vision applications in ByteDance products, such as the Toutiao app, Tik Tok, Vigo Video, and Xigua Video. He has served as a program committee member and a reviewer for more than 20 high-quality conferences and journals.



Honggang Wang (M'05–SM'12) is currently a tenured Associate Professor with UMass Dartmouth. His research projects have been supported by NSF, DoT, and the UMass President's office and have been reported on by the U.S. news media (ABC 6 TV, *Standard Times Newspaper*, and *Southcoast Today*). His research in multimedia focuses on multimedia communications, image/video processing, mobile multimedia and cloud, and multimedia security. He received the IEEE Multimedia Communications TC Outstanding Leadership Award in 2016 and the Scholar of the Year Award from UMass Dartmouth in 2016. He has been active in (co-)chairing the IEEE/ACM conferences, such as the IEEE ISCC 2015, IEEE HEALTHCOM 2015, IEEE ICC 2015 Wireless Network Symposium, IEEE ICNC 2018, and IEEE ICME 2019. He currently serves as the Chair of the IEEE Comsoc Multimedia Communications Technical Committee and is the Vice Chair of the IEEE eHealth Technical Committee. He serves on the Steering Committee of the IEEE Transactions on Multimedia. He was named an IEEE Distinguished Lecturer, recognized in the areas of multimedia and the Internet of Things.



Shuihua (Sharon) Wang (M'11) received master's degree from The City College of New York in 2012 and the Ph.D. degree from Nanjing University in 2017.

She was an Assistant Professor with Nanjing Normal University from 2013 to 2018. She is currently a Research Fellow with Loughborough University. She has published more than 32 first-author papers. Her research interests focus on machine learning, deep learning, and biomedical image processing. She has published over 30 papers in peer-reviewed international journals and conferences in these research areas and two were ESI Highly Cited Papers. She has served as a Professional Reviewer for many well-reputed journals and conferences, including the IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, *Neural Computation*, *Pattern Recognition*, and *Scientific Reports*. She is currently serving as the Guest Editor-in-Chief of *Multimedia Systems and Applications* and as an Associate Editor for the *Journal of Alzheimer's Disease* and the IEEE ACCESS.



Chuan Wu (M'08–SM'16) received the B.Engr. and M.Engr. degrees from the Department of Computer Science and Technology, Tsinghua University, China, in 2000 and 2002, respectively, and the Ph.D. degree from the Department of Electrical and Computer Engineering, University of Toronto, Canada, in 2008. From 2002 to 2004, she was with Information Technology Industry, Singapore. Since 2008, she has been with the Department of Computer Science, The University of Hong Kong, where she is currently an Associate Professor and an Associate Head of curriculum and development matters. Her current research is in the areas of cloud computing and distributed machine learning/big data analytics systems. She is a member of ACM. She was a co-recipient of the Best Paper Awards of the HotPOST 2012 and ACM e-Energy 2016. She has served as the Chair of the interest group Multimedia Services and Applications over Emerging Networks of the IEEE Multimedia Communication Technical Committee from 2012 to 2014.



Jun Yu (M'13) received the B.Eng. and Ph.D. degrees from Zhejiang University, Zhejiang, China. He is currently a Full Professor with the School of Computer Science and Technology, Hangzhou Dianzi University. He has authored one book on the topic of machine learning. He has authored or co-authored more than 80 scientific articles in top journals and conferences. His research interests include multimedia analysis, machine learning, and image processing. He is a member of ACM and CCF. He received the IEEE TMM Best Paper Award in 2015, the IEEE Signal Processing Society Best Paper Award in 2016, and the IEEE TCYB Best Paper Award in 2017. He has served on the conferences of CVPR, KDD, ACM MM, AAAI, IJCAI, and ICCV, and prestigious international journals, including TPAMI, TCSVT, TNNLS, TKDE, TIP, TMM, and PR.



Huanqiang Zeng (M'13–SM'18) received the B.S. and M.S. degrees from Huaqiao University, Xiamen, China, and the Ph.D. degree from Nanyang Technological University, Singapore, all in electrical engineering. He was a Post-Doctoral Fellow with The Chinese University of Hong Kong. He is currently a Full Professor with the School of Information Science and Engineering, Huaqiao University. He has published more than 80 papers in well-known journals and conferences, including the IEEE TIP and TCSVT. His research interests include image processing, video coding, machine learning, and computer vision. He received the Two Best Poster/Paper Awards at the Chinese Conference on Signal Processing in 2017 and the International Forum of Digital TV and Multimedia Communication in 2018. He has been actively serving as an Associate Editor for the IEEE ACCESS and *IET Electronics Letters*, and Guest Editor for the *Journal of Visual Communication and Image Representation*, *Multimedia Tools and Applications*, and *Journal of Ambient Intelligence and Humanized Computing*. He has been actively serving as the Area Chair for the IEEE VCIP2015, the General Co-Chair for the IEEE

ISPACS 2017, the Technical Program Co-Chair for the APSIPA ASC 2017 and ISPACS2019, a technical program committee member for multiple flagship international conferences, and a reviewer for numerous international journals and conferences.



Tianzhu Zhang (M'09) received the B.S. degree in electrical engineering from the Beijing Institute of Technology, Beijing, China, in 2006, and the Ph.D. degree from the Institute of Automation, Chinese Academy of Sciences (CASIA), Beijing, in 2011.

He was an Associate Professor with the National Lab of Pattern Recognition, CASIA. He is currently a Professor with the School of Information Science and Technology, University of Science and Technology of China. His current research interests include computer vision, pattern recognition, multimedia computing, and machine learning. He has authored or co-authored over 80 journal and conference papers in these areas, including over 30 IEEE/ACM transactions papers (TPAMI/TIP/IJCV) and over 20 top-tier computer vision conference papers (ICCV/CVPR/ECCV/AAAI). He was a recipient of a Top 10% Paper at the ICIP 2013 and Best Paper Awards at the ACM MM 2016 and ChinaMM 2017. He received the Outstanding Reviewer Award at the MMSJ, ECCV 2016, and CVPR 2018. He served/serves as the Publicity Chair for the ICIMCS 2015 and ACM Multimedia Asia 2019, the Area Chair for the MVA

2017, WACV 2018, ICPR 2018, and ICCV 2019, and an Associate Editor for *Neurocomputing*. He also served as the Guest Editor for the special issue on visual tracking of *Computer Vision and Image Understanding*. He has delivered tutorials at ACCV 2014, WACV 2015, and VCIP 2015.



Yicong Zhou (M'07–SM'14) received the B.S. degree from Hunan University, Changsha, China, and the M.S. and Ph.D. degrees from Tufts University, MA, USA, all in electrical engineering.

He is currently an Associate Professor and the Director of the Vision and Image Processing Laboratory, Department of Computer and Information Science, University of Macau. His research interests include image processing, multimedia security, computer vision, and machine learning. He is also a Senior Member of the International Society for Optical Engineering (SPIE). He was a recipient of the Third Prize of the Macau Natural Science Award in 2014. He is also the Co-Chair of Technical Committee on Cognitive Computing in the IEEE Systems, Man, and Cybernetics Society. He serves as an Associate Editor for *Neurocomputing*, *Signal Processing*, *Journal of Visual Communication and Image Representation*, and *Signal Processing: Image Communication*.