

CANDIDATES FOR WTC OFFICERS 2021-2022

Nominee for WTC Chair

Nominee's name: Bechir Hamdaoui

Affiliation: Oregon State University, USA

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Biography:

Bechir Hamdaoui (S'02-M'05-SM'12) is currently serving as the WTC Vice-Chair and also served as the WTC Secretary during 2017-2018. He founded and served as the Editor for the WTC Newsletters from 2015 to 2018. He also served as a Distinguished Lecturer for the IEEE Communication Society during 2016 and 2017. He is a Professor in the School of Electrical Engineering and Computer Science at Oregon State University. He received M.S. degrees in both ECE (2002) and CS (2004), and the Ph.D. degree in ECE (2005) all from the University of Wisconsin-Madison. His research interests are in the general areas of computer networking, network security, and wireless communication, with a current focus on edge cloud computing, network analytics, autonomous systems, dynamic spectrum management, 5G systems, and datacenters. He won several awards, including the ISSIP 2020 Distinguished Recognition Award, ICC 2017 Best Paper Award, the 2016 EECS Outstanding Research Award, and the 2009 NSF CAREER Award. He serves/served as an Associate Editor for several journals, including IEEE Transactions on Mobile Computing, IEEE Transactions on Wireless Communications, IEEE Network, and IEEE Transactions on Vehicular Technology. He also chaired/co-chaired many IEEE conference programs/symposia, including the 2017 INFOCOM Demo/Posters program, the 2016 IEEE GLOBECOM Mobile and Wireless Networks symposium, and many others. He is a Senior Member of IEEE, IEEE Computer Society, IEEE Communications Society, and IEEE Vehicular Technology Society.

Nominee for WTC Chair

Nominee's name: Rui Zhang

Affiliation: National University of Singapore, Singapore

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Biography:

Dr. Rui Zhang (IEEE Fellow) received the B.Eng. (First-Class Hons.) and M.Eng. degrees from National University of Singapore, and the Ph.D. degree from Stanford University, Stanford, CA USA, all in electrical engineering. From 2007 to 2009, he worked as a researcher at the Institute for Infocomm Research, ASTAR, Singapore. Since 2010, he has joined the Department of Electrical and Computer Engineering of National University of Singapore, where he is now a Professor in the Faculty of Engineering. His current research interests include UAV/satellite communication, wireless power transfer, reconfigurable MIMO, and optimization methods. He has published over 400 papers in the field of wireless communications, which have been cited more than 40,000 times, with the h-index over 100. He has been listed as a Highly Cited Researcher by Thomson Reuters / Clarivate Analytics since 2015. He was the recipient of the 6th IEEE Communications Society Asia-Pacific Region Best Young Researcher Award in 2011, and the Young Researcher Award of National University of Singapore in 2015. He was the co-recipient of the IEEE Marconi Prize Paper Award in Wireless Communications in 2015 and 2020, the IEEE Communications Society Asia-Pacific Region Best Paper Award in 2016, the IEEE Signal Processing Society Best Paper Award in 2016, the IEEE Communications Society Heinrich Hertz Prize Paper Award in 2017 and 2020, the IEEE Signal Processing Society Donald G. Fink Overview Paper Award in 2017, and the IEEE Technical Committee on Green Communications & Computing (TCGCC) Best Journal Paper Award in 2017. His co-authored paper also received the IEEE Signal Processing Society Young Author Best Paper Award in 2017. He served for over 30 international conferences as the TPC Co-Chair or an Organizing Committee Member, and as the guest editor for 3 special issues in IEEE Journal of Selected Topics in Signal Processing and IEEE Journal on Selected Areas in Communications. He served as an elected member of the IEEE Signal Processing Society SPCOM and SAM Technical Committees, and the Vice Chair of the IEEE Communications Society Asia-Pacific Board Technical Affairs Committee. He served as an editor for the IEEE Transactions on Wireless Communications, IEEE Journal on Selected Areas in Communications (Green Communications and Networking Series), IEEE Transactions on Signal Processing, and IEEE Transactions on Green Communications and Networking. He is now an editor for the IEEE Transactions on Communications. He serves as a member of the Steering Committee of the IEEE Wireless Communications Letters. He is a Distinguished Lecturer of IEEE Signal Processing Society and IEEE Communications Society.

Nominee for WTC Vice Chair

Nominee's Name: Wenchi Cheng

Affiliation: Xidian University, China

Email: wccheng@xidian.edu.cn

Biography:

Dr. Cheng is a Full Professor with Xidian University. He was a Visiting Scholar with Networking and Information Systems Laboratory, Department of Electrical and Computer Engineering, Texas A&M University, College Station, TX, USA. His current research interests include B5G/6G wireless networks, emergency wireless communications, and orbital-angular-momentum based wireless communications. He has authored or coauthored more than 100 international journal and conference papers in the IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, IEEE Magazines, IEEE Transactions, IEEE INFOCOM, GLOBECOM, ICC, etc. He was the recipient of URSI Young Scientist Award (2019) and the Young Elite Scientist Award of CAST. He has served or serving as the Associate Editor for the IEEE SYSTEMS JOURNAL, IEEE COMMUNICATIONS LETTERS, IEEE WIRELESS COMMUNICATIONS LETTER, the IoT Session Chair for IEEE 5G Roadmap, the Wireless Communications Symposium Co-Chair for IEEE GLOBECOM 2020, the Wireless Communications Symposium Co-Chair for IEEE ICC 2022, the Next Generation Networks Symposium Chair for IEEE ICC 2019, the Workshop Chair for IEEE ICC 2019/IEEE GLOBECOM 2019/INFOCOM 2020 Workshop on Intelligent Wireless Emergency Communications Networks.

Nominee for WTC Vice Chair

Nominee's Name: Yue Gao

Affiliation: University of Surrey, UK

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Biography:

Yue Gao is a Professor and Chair in Wireless Communications at Institute for Communication Systems, University of Surrey, United Kingdom. He received the Bachelor degree from Beijing University of Posts and Telecommunications, China, in 2002, and MSc Ph.D. degree from the Queen Mary University of London (QMUL), U.K., in 2003 and 2007, respectively. He currently leads the Antennas and Signal Processing Lab developing fundamental research into practice in the interdisciplinary area of smart antennas, signal processing, spectrum sharing, millimetre-wave and Internet of Things technologies in mobile and satellite systems. He has published over 200 peer-reviewed journal and conference papers, 3 patents, 1 book and 5 book chapters and 3 best paper awards. He is an Engineering and Physical Sciences Research Council Fellow from 2018 to 2023. He was a co-recipient of the EU Horizon Prize Award on Collaborative Spectrum Sharing in 2016. He served as the Signal Processing for Communications Symposium Co-Chair for IEEE ICC 2016, the Publicity Co-Chair for the IEEE GLOBECOM 2016, the Cognitive Radio Symposium Co-Chair for the IEEE GLOBECOM 2017, and the General Chair of the IEEE WoWMoM and iWEM 2017. He is the Chair of the IEEE Technical Committee on Cognitive Networks, the Secretary of the IEEE ComSoc Technical Committee Wireless Communication and the IEEE Distinguished Lecturer of the Vehicular Technology Society. He is an Editor for the IEEE INTERNET OF THINGS JOURNAL, IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY and IEEE TRANSACTIONS ON COGNITIVE NETWORKS.

Nominee for WTC Secretary

Nominee's name: Jie Xu

Affiliation: The Chinese University of Hong Kong (Shenzhen), China

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Biography:

Jie Xu (S'12–M'13) received the B.E. and Ph.D. degrees from the University of Science and Technology of China in 2007 and 2012, respectively. From 2012 to 2014, he was a Research Fellow with the Department of Electrical and Computer Engineering, National University of Singapore. From 2015 to 2016, he was a Post-Doctoral Research Fellow with the Engineering Systems and Design Pillar, Singapore University of Technology and Design. From 2016 to 2019, he was a Professor with the School of Information Engineering, Guangdong University of Technology, China. He is currently an Associate Professor with the School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen, China. His research interests include wireless communications, wireless information and power transfer, UAV communications, edge computing and intelligence, and integrated sensing and communication (ISAC). He was a recipient of the 2017 IEEE Signal Processing Society Young Author Best Paper Award, the IEEE/CIC ICC 2019 Best Paper Award, the 2019 IEEE Communications Society Asia-Pacific Outstanding Young Researcher Award, and the 2019 Wireless Communications Technical Committee (WTC) Outstanding Young Researcher Award. He is the symposium co-chair for IEEE GLOBECOM 2019 Wireless Communications Symposium, the workshop co-chair for several IEEE ICC and GLOBECOM workshops, the tutorial co-chair for IEEE/CIC ICC 2019, and the founding chair for IEEE WTC Special Interest Group (SIG) on ISAC. He served or is serving as an editor for IEEE Transactions on Communications, IEEE Wireless Communications Letters, and Journal of Communications and Information Networks, an associate editor for IEEE Access, and a guest editor for IEEE Wireless Communications, IEEE Journal on Selected Areas in Communications, and Science China Information Sciences.

Nominee for WTC Secretary

Name: Yong Zeng

Affiliation: Southeast University, China

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Biography:

Yong Zeng is with the National Mobile Communications Research Laboratory, Southeast University, China, and also with the Purple Mountain Laboratories, Nanjing, China. He received the Bachelor of Engineering (First-Class Honours) and Ph.D. degrees from Nanyang Technological University, Singapore, in 2009 and 2014, respectively. From 2013 to 2018, he was a Research Fellow and Senior Research Fellow at the Department of Electrical and Computer Engineering, National University of Singapore. From 2018 to 2019, he was a Lecturer at the School of Electrical and Information Engineering, the University of Sydney, Australia.

Dr. Zeng is the recipient of the 2020 IEEE Marconi Prize Paper Award in Wireless Communications, 2018 IEEE Communications Society Asia-Pacific Outstanding Young Researcher Award, 2020 & 2017 IEEE Communications Society Heinrich Hertz Prize Paper Award. He serves as an Associated Editor for IEEE Communications Letters and IEEE Open Journal of Vehicular Technology, Leading Guest Editor for IEEE Wireless Communications on "Integrating UAVs into 5G and Beyond" and China Communications on "Network-Connected UAV Communications". He is the workshop co-chair for ICC 2018/2019/2020 workshop on UAV communications, the tutorial speaker for Globecom 2018/2019 and ICC 2019 tutorials on UAV communications.