



Yonsei - Sydney Virtual Workshop on B5G and 6G

Challenges and Opportunities of Wireless Communication for the Next 10 Years

Wednesday 28 July 2021

Sydney: 17:30-20:30, Seoul/Tokyo: 16:30-19:30, Hong Kong: 15:30-18:30, Helsinki: 10:30-13:30, Berlin: 9:30-12:30

Biography of Speakers

Dr Sungho Choi

Program Manager for Future Communications and Radio Ministry of Science and ICT, South Korea

Dr Sungho Choi is Ministry of Science and ICT Program Manager for Future Communications and Radio. He is responsible for setting Korean government R&D Strategy and planning R&D projects on Telecommunications, Networks and Radio. He had been the Head of the Standards Research Team at Samsung Electronics until March of 2019. His team covered standardization in Wireless Communications, Multimedia, Convergence Services, IoT and Regulations. Alongside standardization, he was spearheading a "Business Enabling based on Standardization" activity wherein he brought together in sights and intelligence gathered from standardization and emerging industry trends to enable and initiated new technologies and businesses. Dr. Choi has a wealth of experience in standardization of mobile communications including WCDMA, HSDPA, MBMS, HSUPA, LTE, IMS, I-WLAN, SAE, 5G and 6G. Since joining Samsung Electronics in 1999, he has been actively involved in 3GPP standardization as a head of Samsung 3GPP delegates. He has been also proactively working for expanding market and ecosystems by creating and operating, as one of founding members, multiple Standards Organizations such as UHD Alliance, Mopria (Mobile Printing) Alliance, as well as OIC (Open Interconnect Consortium) which is a predecessor of the OCF.

Education

1993.2	B.S Seoul University, Mathematics
1995.2	M.S KAIST, Mathematics
1998.8	Ph.D KAIST Mathematics (Applied Probability)
Professional Experience	
2011.3~2013.3	Vice Chairman of 3GPP TSG-SA
2013~2015	Chairman of Spectrum Engineering Forum/ Korea wireless
	Power Transfer Promotion Forum
2013~2019	Head of Samsung Electronics Standards Research Team
2019~Present	Ministry of Science and ICT Program manager for Future
	Communications & Radio







Professor Branka Vucetic

ARC Laureate Fellow Director of the Centre for IoT and Telecommunications School of Electrical and Information Engineering The University of Sydney, Australia Email: branka.vucetic@sydney.edu.au

Professor Branka Vucetic's work aims to develop theoretical framework and design principles for wireless communication systems. She is an internationally recognised expert in coding theory and its applications in wireless engineering. Professor Vucetic has held various research and academic positions in the UK, Yugoslavia and Australia, and since 1986 she has been with the School of Electrical and Information Engineering at Sydney University, where she is currently Laureate Professor and Director of the Centre of Excellence in Telecommunications.

Her research interests include wireless communications, digital communication theory, error control coding and multi-user detection. Prof Vucetic published four books and more than three hundred papers in telecommunications journals and conference proceedings.

She is a Fellow to the Australian Academy of Science (AAS), Fellow of Australian Academy of Technological Sciences and Engineering (ATSE), a Chinese Government Friendship Award recipient, an IEEE Fellow and a former Editor for the IEEE Transactions on Communications. In the last several years she has managed several projects related to wireless communications networks development, addressing the issues like interference cancellation, multiple antenna signal processing and coding as well as multiple access technologies.

Her current research activities are focused on advances in wireless networks and internet of things. With the rapidly growing mobile services, there has been an ever increasing demand for very high wireless transmission data rates up to tens-of-Gigabits/second. The conventional microwave bands below 6 GHz have already been heavily utilized and cannot meet this demand. However, the higher millimeter wave (mmWave) frequency band, ranging from 30GHz to 300GHz, offers large bands of unused spectrum and can potentially form the basis for the next revolution in wireless communications. The availability of tens GHz bandwidth in the mmWave band brings the possibility of developing hundreds Gbps data-rate wireless networks. She is working with her team on developing a fundamental theoretical framework and advanced signal processing and network protocols for mmWave systems.

In the area of internet of things, her focus has been on providing wireless connectivity for mission critical applications, where ultralow latency and ultrahigh reliability are essential. Examples are automated power grids, information exchange between vehicles and supporting cloud infrastructure for detecting safety-critical situations, such as black ice, vehicle accident minimisation and adaptation to road conditions, remotely controlled and selfdriven vehicles and remote robot-assisted surgeries. She is developing with her team analytical limits and criteria, and applying them to develop novel wireless communication methods and protocols at multiple layers of communication networks that will meet the stringent technical requirements for ultralow latency and ultrahigh reliability of mission-critical applications. A further issue that she is addressing is developing wireless power transfer systems for delivering energy to communication nodes practically unlimited battery lives and eliminates the need





for power cables and chargers. The focus is on creating sharp radio beams, which will have powers high enough to withstand propagation losses and deliver a considerable power to the communication devices and sensor receivers. The applications will be in large scale deployment of wireless sensor networks and commercial IoT applications, currently limited by short lifetime of batteries powering sensors and communication devices.
Professor Seong-Lyun Kim Head, School of Electrical & Electronic Engineering Yonsei University, South Korea Email: slkim@yonsei.ac.kr Seong-Lyun Kim is a Professor and Head of the School of Electrical & Electronic Engineering, Yonsei University, Seoul, Korea, heading the Robotic & Mobile Networks Laboratory (RAMO) and the Center for Flexible Radio (CFR+). He is co-directing H2020 EUK PriMO-5G project, and leading Smart Factory Committee of 5G Forum, Korea. He was an Assistant Professor of Radio Communication Systems at the Department of Signals, Sensors & Systems, Royal Institute of Technology (KTH), Stockholm, Sweden. He was a Visiting Professor at the Control Engineering Group, Helsinki University of Technology (now Aalto), Finland, the KTH Center for Wireless Systems, and the Graduate School of Informatics, Kyoto University, Japan. He served as a technical committee member or a chair for various conferences, and an editorial board member of IEEE Transactions on Vehicular Technology, IEEE Communications Letters, Elsevier Control Engineering Practice, Elsevier ICT Express, and Journal of Communications and Network. He served as the leading guest editor of IEEE Wireless Communications and IEEE Network for wireless communications in networked robotics, and IEEE Journal on Selected Areas in Communications. He also consulted various companies in the area of wireless systems both in Korea and abroad. His research interest includes radio resource management, information theory in wireless networks, collective intelligence, and robotic networks. He published numerous papers, including the co-authored book (with Prof. Jens Zander), Radio Resource Management for Wireless Networks. His degrees include BS in economics (Seoul National University), and MS & PhD in operations research (with application to wireless networks, Korea Advanced Institute of Science & Technology).
Professor Yonghui Li ARC Future Fellow, Fellow IEEE School of Electrical and Information Engineering The University of Sydney, Australia Email: yonghui.li@sydney.edu.au Yonghui Li received his PhD degree in November 2002. Since 2003, he has been with the Centre of Excellence in Telecommunications, the University of Sydney, Australia. Li is now a Professor and Director of Wireless Engineering Laboratory in School of Electrical and Information Engineering, the University of Sydney. He is the recipient of the Australian Research Council (ARC)Queen Elizabeth II Fellowship in 2008 and ARC Future Fellowship in 2012. He is an IEEE Fellow for contributions to cooperative communications technologies.

His current research interests are in the area of wireless communications, with a particular focus on IoT, machine to machine communications, MIMO, millimetre





wave communications, channel coding techniques, game theory, machine learning and signal processing. Li holds a number of patents granted and pending in these fields.
Professor Li is an editor for IEEE transactions on communications, IEEE transactions on vehicular technology and guest editors for several special issues of IEEE journals, such as IEEE JSAC, IEEE IoT Journals, IEEE TII, IEEE Communications Magazine. He currently serves as the Specialty Chief Editor, Frontiers Signal Processing Journal. He received the best paper awards from IEEE International Conference on Communications (ICC) 2014, IEEE PIMRC 2017, and IEEE Wireless Days Conferences (WD) 2014.
He has published one book, more than 200 papers in premier IEEE journals and more than 200 papers in premier IEEE conferences. His publications have been cited more than 13000 times, with an h-index of 56. Several of his papers have been included as ISI high cited papers by ESI Web of Science, defined as top 1% of papers in the field. Several of his papers have been the top most 10 most cited papers in the respective journals since the year it was published. He has been listed as AMINER AI2000 Most Influential Scholars in the field of Internet of Things (IoT).
Li has attracted more than \$8 million in competitive research funding over the past 10 years, including more than 10 ARC grants. He has participated in \$500 Millions Australia national demonstration project "Smart Grid Smart City" and designed last mile access networks.
He is the founder and director of IoT undergraduate major at the University of Sydney.
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Changyang She received his B. Eng degree in Honors College (formerly School of Advanced Engineering) of Beihang University (BUAA), Beijing, China in 2012 and Ph.D. degree in School of Electronics and Information Engineering of BUAA in 2017. From November 2015 to May 2016, he was a visiting student in Singapore University of Technology and Design (SUTD). From July 2017 to March 2018, he was a postdoc in SUTD with Prof. Tony Q.S. Quek. From March 2018 to March 2021, he was a postdoc in the University of Sydney with Prof. Branka Vucetic. Now, he serves as the Australian Research Council, Discovery Early Career Researcher Award (DECRA) Fellow at the University of Sydney. His research interests lie in the areas of ultra-reliable and low-latency communications, deep learning in wireless networks, mobile edge computing, Tactile Internet, and internet of things.





Associate Professor Kaibin Huang Associate Head, Department of Electrical & Electronic Engineering The University of Hong Kong, Hong Kong Email: huangkb@eee.hku.hk Kaibin Huang received the B.Eng. and M.Eng. degrees from the National University of Singapore, and the Ph.D. degree from The University of Texas at Austin, all in electrical engineering. Presently, he is an associate professor in the Dept. of Electrical and Electronic Engineering at The University of Hong Kong, Hong Kong. He received the IEEE Communication Society's 2019 Best Tutorial Paper Award, 2015 Asia Pacific Best Paper Award, and 2019 Asia Pacific Outstanding Paper Award as well as Best Paper Awards at IEEE GLOBECOM 2006 and IEEE/CIC ICCC 2018. Moreover, he received an Outstanding Teaching Award from Yonsei University in S. Korea in 2011. He has served as the lead chairs for the Wireless Comm. Symp. of IEEE Globecom 2017 and the Comm. Theory Symp. of IEEE GLOBECOM 2014 and the TPC Co-chairs for IEEE PIMRC 2017 and IEEE CTW 2013. He is an Associate Editor for IEEE Transactions on Wireless Communications and Journal on Selected Areas in Communications (JSAC), and an Area Editor for IEEE Transactions on Green Communications and Networking. Previously, he has also served on the editorial board of IEEE Wireless Communications Letters. Moreover, he has guest edited special issues for IEEE JSAC, IEEE Journal on Selected Topics on Signal Processing, and IEEE Communications Magazine. He is an IEEE Fellow and an IEEE Distinguished Lecturer of both the IEEE Communications and Vehicular Technology Societies. He has been named a Highly Cited Researcher by Clarivate Analytics in 2019 and 2020.
 Dr Zhibo Pang Senior Principal Scientist ABB Corporate Research, Sweden Email: pang.zhibo@se.abb.com Dr Zhibo Pang, PhD&MBA, received B.Eng. in Electronic Engineering from Zhejiang University, Hangzhou, China in 2002, MBA in Innovation and Growth from University of Turku, Turku, Finland in 2012, and PhD in Electronic and Computer Systems from the Royal Institute of Technology (KTH), Stockholm, Sweden in 2013. He is currently a Senior Principal Scientist at ABB Corporate Research Sweden, Adjunct Professor at the University of Sydney, and Affiliated Faculty and PhD Supervisor at the Royal Institute of Technology (KTH). Before joined ABB, he was co-founder and CTO of startups such as Ambigua Medito AB. He is a Senior Member of IEEE and Co-Chair of the Technical Committee on Industrial Informatics. He is Associate Editor of IEEE Transactions on Industrial Informatics, IEEE Journal of Biomedical and Health Informatics, and IEEE Journal of Emerging and Selected Topics in Industrial Electronics, and was Guest Editor of Proceedings of the IEEE, IEEE Internet of Things Journal, and IEEE Reviews in Biomedical Engineering, etc. He was Invited Speaker at the Gordon Research Conference on Advanced Health Informatics (AHI2018), and General Chair of IEEE ES2017 and General Co-Chair of IEEE WFCS2021. He was awarded the "2016 Inventor of the Year Award" and "2018 Inventor of the Year Award" by ABB Corporate Research Sweden. He has been working on high performance wireless communications (WirelessHP) for critical control systems with microsecond level packet





transmission time and 10e-6 level packet error rate which is 20+ times beyond the start-of-the-art industrial wireless solutions. Another ongoing effort from him is on disruptive communication and computing solution for future mobile robotics in manufacturing and service scenarios.
 Professor Kei Sakaguchi Department of Electrical and Electronic Engineering School of Engineering Tokyo Institute of Technology, Japan Email: sakaguchi@mobile.ee.titech.ac.jp Kei Sakaguchi (Senior Member, IEEE) received the M.E. degree in information processing and the Ph.D. degree in electrical and electronics engineering from the Tokyo Institute Technology, Japan, in 1998 and 2006, respectively. He is currently working as the Dean of the Tokyo Tech Academy for Super Smart Society and a Professor with the School of Engineering, Tokyo Institute of Technology. At the same time, he is also working with Fraunhofer HHI, Germany, as a Consultant. His current research interests include 5G cellular networks, millimeter-wave communications, wireless energy transmission, V2X for automated driving, and super smart society. He is a fellow of IEICE. He received the Outstanding Paper Award from SDR Forum and IEICE in 2004 and 2005, respectively, three Best Paper Award from the IEICE Communication Society in 2012, 2013, and 2015, and the Tutorial Paper Award from the IEICE
 Professor He Chen Department of Information Engineering, Chinese University of Hong Kong, Hong Kong Email: he.chen@ie.cuhk.edu.hk Prof He Chen is a Research Assistant Professor (will become an Assistant Professor in August) in the Department of Information Engineering at the Chinese University of Hong Kong. He received a Ph.D. degree in Electrical Engineering from The University of Sydney, Sydney, Australia, in 2015. Before joining CUHK in 2019, he was a Research Fellow in the School of Electrical and Information Engineering at The University of Sydney. Currently, Prof Chen is leading a team to develop and prototype time-sensitive wireless systems for connecting intelligent machines such as robots and drones, and implement these systems in real-world smart logistics, manufacturing, healthcare, and city settings. His current research interests are in the field of wireless Internet of Things (IoT) systems, and their applications in various industrial verticals, including manufacturing, logistics, healthcare, and smart city, etc. He is serving on the editorial boards of IEEE Transactions on Wireless Communications and IEEE Wireless Communications Letters. Dr. Chen received the Outstanding Bachelor Thesis of Shandong University, the Outstanding Master Thesis of Shandong Province, the Chinese Government Award for Outstanding Self-Financed Students Abroad, and the best paper award from IEEE WCNC 2018.





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	Frank H. P. Fitzek is a Professor and head of the "Deutsche Telekom Chair of Communication Networks" at TU Dresden coordinating the 5G Lab Germany. He is the spokesman of the DFG Cluster of Excellence CeTI.
	He received his diploma (DiplIng.) degree in electrical engineering from the University of Technology – Rheinisch-Westfälische Technische Hochschule (RWTH) – Aachen, Germany, in 1997 and his Ph.D. (DrIng.) in Electrical Engineering from the Technical University Berlin, Germany in 2002 and became Adjunct Professor at the University of Ferrara, Italy in the same year. In 2003 he joined Aalborg University as Associate Professor and later became Professor.
	He co-founded several start-up companies starting with acticom GmbH in Berlin in 1999. He has visited various research institutes including Massachusetts Institute of Technology (MIT), VTT, and Arizona State University. In 2005 he won the YRP award for the work on MIMO MDC and received the Young Elite Researcher Award of Denmark. He was selected to receive the NOKIA Champion Award several times in a row from 2007 to 2011. In 2008 he was awarded the Nokia Achievement Award for his work on cooperative networks. In 2011 he received the SAPERE AUDE research grant from the Danish government and in 2012 he received the Vodafone Innovation prize. In 2015 he was awarded the honorary degree "Doctor Honoris Causa" from Budapest University of Technology and Economics (BUTE).
	His current research interests are in the areas of wireless and 5G communication networks, network coding, cloud computing, compressed sensing, cross layer as well as energy efficient protocol design and cooperative networking.
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	Chan-Byoung Chae is an Underwood Distinguished Professor in the School of Integrated Technology, College of Engineering, Yonsei University, Korea. He was with the Department of Electrical Engineering, Stanford University, CA, USA as a Visiting Associate Professor in 2017. He was a Member of Technical Staff (Research Scientist) at Bell Laboratories, Alcatel-Lucent, Murray Hill, NJ, USA from June 2009 to Feb 2011. Before joining Bell Laboratories, he was with the School of Engineering and Applied Sciences at Harvard University, Cambridge, MA, USA as a Post-Doctoral Research Fellow under the supervision of Vahid Tarokh. He received the Ph.D. degree in Electrical and Computer Engineering from The University of Texas (UT), Austin, TX, USA in 2008 under the supervision of Robert W. Heath, Jr., where he was a member of the Wireless Networking and Communications Group (WNCG). Prior to joining UT, he was a Research Engineer at the Advanced Research Lab., the Telecommunications R&D Center, Samsung Electronics, Suwon, Korea, from 2001 to 2005. He was a Visiting Scholar at the WING Lab, Aalborg University, Denmark in 2004 and at University of Minnesota, MN, USA in August 2007 to work with Nihar Jindal. While at Samsung, he participated in the IEEE 802.16e and 3GPP





related patents. His current research interests include wireless mobile networks and nano (molecular) communications. He is now an Editor-in-Chief of the IEEE Trans. on Molecular, Biological, and Multi-scale Communications. He has served/serves as an Editor for the IEEE Communications Magazine (2016-present), the IEEE Trans. on Wireless Communications (2012-2017), the IEEE Trans. on Molecular, Biological, and Multi-scale Comm. (2015-present), the IEEE Wireless Communications Letters (2016-present), the IEEE Trans. on Smart Grid (2010-2011), the IEEE ComSoc Technology News (2014), and the IEEE/KICS Jour. of Comm. Networks (2012present). He has been a Guest Editor for the IEEE Journal on Selected Areas in Communications (special issue on molecular, biological, and multi-scale communications) 2014-2015 and the IEEE Access (special section on molecular communication networks). He is an IEEE Distinguished Lecturer (ComSoc) and an IEEE Fellow. Dr. Chae was the recipient/co-recipient of the IEEE WCNC Best Demo Award in 2020, the Best Young Engineer Award from the National Academy of Engineering of Korea (NAEK) in 2019, the Outstanding Achievement Award in Education from Yonsei University in 2019, the IEEE DySPAN Best Demo Award in 2018, the IEEE/KICS Journal of Communications Networks Best Paper Award in 2018, the Outstanding Achievement Award (Highly Cited Researcher) from Yonsei University in 2018, the Award of Excellence in Leadership of 100 Leading Core Technologies for Korea 2025 from NAEK in 2017, the Underwood Distinguished Professor Award in 2016, the Outstanding Teaching Award in 2017 from Yonsei University, the Yonam Research Award from LG Yonam Foundation in 2016, the Outstanding Professor Award from IITP in 2016, the Best Young Professor Award from the College of Engineering, Yonsei University in 2015, the IEEE INFOCOM Best Demo Award in 2015, the IEIE/IEEE Joint Award for Young IT Engineer of the Year in 2014, the KICS Haedong Young Scholar Award in 2013, the IEEE Signal Processing Magazine Best Paper Award in 2013, the IEEE ComSoc AP Outstanding Young Researcher Award in 2012, the IEEE VTS Dan. E. Noble Fellowship Award in 2008, two Gold Prizes (1st) in the 14th/19th Humantech Paper Contests, and the KSEA-KUSCO scholarship in 2007. He also received the Korea Government Fellowship (KOSEF) during his Ph.D. studies. Associate Professor Koji Yamamoto **Department of Communications and Computer Engineering Graduate School of Informatics** Kyoto University, Japan Email: kyamamot@i.kyoto-u.ac.jp Koji Yamamoto received the B.E. degree in electrical and electronic engineering from Kyoto University in 2002, and the master and Ph.D. degrees in Informatics from Kyoto University in 2004 and 2005, respectively. From 2004 to 2005, he was a research fellow of the Japan Society for the Promotion of Science (JSPS). Since 2005, he has been with the Graduate School of Informatics, Kyoto University, where he is currently an associate professor. From 2008 to 2009, he was a visiting researcher at Wireless@KTH, Royal Institute of Technology (KTH) in Sweden. He serves as an editor of IEEE Open Journal of Vehicular Technology, IEEE Wireless Communications Letters, and Journal of

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CCNC 2018, APCC 2018, and CCNC 2019, and a vice co-chair of IEEE ComSoc APB CCC. He was a tutorial lecturer in IEEE ICC 2019. His research interests include radio resource management, game theory, and machine learning. He received the PIMRC 2004 Best Student Paper Award in 2004, the Ericsson Young Scientist Award in 2006. He also received the Young Researcher's Award, the Paper Award, SUEMATSU-Yasuharu Award, Educational Service Award from the IEICE of Japan in 2008, 2011, 2016, and 2020, respectively, and IEEE Kansai Section GOLD Award in 2012. He is a senior member of the IEEE and a member of the Operations Research Society of Japan.
Dr Mahyar Shirvanimoghaddam School of Electrical and Information Engineering The University of Sydney, Australia Email: mahyar.shirvanimoghaddam@sydney.edu.au Mahyar Shirvanimoghaddam is a Teaching Fellow at Centre for IoT and Telecommunications, The University of Sydney. Prior to this role, he was with The School of Electrical Engineering and Computing, The University of Newcastle as a Research Fellow in Error Control Coding, where he currently holds a conjoint position. He received his PhD in Electrical Engineering (Telecommunications) from The University of Sydney in 2015 with The University of Sydney Postgraduate Award and Norman I Prize. He received MSc and BSc both in Electrical Engineering with 1st Class Honor in 2010 and 2008, respectively from Sharif University of Technology and University of Tehran. Dr Shirvanimoghaddam was selected asone of the Top 50 Young Scientists in the World by the World Economic Forumin 2018 for his contribution to the 4th Industrial Revolution. His research interests include Coding and Information Theory, Rateless coding, Communication strategies for the Internet of Things, and Information-theoretic approaches to Machine Learning. Dr Shirvanimoghaddam is an enthusiastic teacher and believes in "innovation through collaboration". In 2017, he initiated a multidisciplinary teaching innovation project with Sydney Business School, called "The Idea Factory." He received the 2019 Vice-Chancellor Excellence Award for Outstanding Early Career Teachingat The University of Sydney. He is currently an IEEE Senior Member.
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Phee Lep (Phil) Yeoh received the B.E. degree with University Medal from the University of Sydney, Australia, in 2004, and the Ph.D. degree from the University of Sydney, Australia, in 2012. From 2008 to 2012, he was with the Telecommunications Laboratory at the University of Sydney and the Wireless and Networking Technologies Laboratory at the Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia. From 2012 to 2016, he was with the Department of Electrical and Electronic Engineering at the University of Melbourne, Australia. In 2016, he joined the School of Electrical and Information Engineering at the University of Sydney, Australia.
Dr Yeoh is a recipient of the 2017 Alexander von Humboldt Research Fellowship for Experienced Researchers and the 2014 Australian Research Council (ARC) Discovery Early Career Researcher Award (DECRA). He has served as TPC chair for the 2016 Australian Communications Theory Workshop (AusCTW) and TPC member for IEEE GLOBECOM, ICC, and VTC conferences. He has received best paper awards at IEEE ICC 2014 and IEEE VTC-Spring 2013, and the best student paper award at AusCTW 2013. His current research interests include wireless security, ultra-reliable and low-latency communications (URLLC), industrial internet-of-things (IoT), and multiscale molecular communications.
Professor Riku Jäntti Professor of Communications Engineering and Head of the Department of Communications and Networking School of Electrical Engineering Aalto University, Finland Email: <u>riku.jantti@aalto.fi</u>
Riku Jäntti is a Full Professor of Communications Engineering and the head of the department of Communications and Networking at Aalto University School of Electrical Engineering, Finland. He received his M.Sc (with distinction) in Electrical Engineering in 1997 and D.Sc (with distinction) in Automation and Systems Technology in 2001, both from Helsinki University of Technology (TKK).





Prior to joining Aalto (formerly known as TKK) in August 2006, he was professor pro tem at the Department of Computer Science, University of Vaasa. Professor Jäntti is a senior member of IEEE and associate editor of IEEE Transactions on Vehicular Technology. The research interests of Professor Jäntti include radio resource control and optimization for machine type communications, Cloud based Radio Access Networks, RF Inference, and quantum communications.
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Dr Jihong Park School of Information Technology Deakin University, Australia Email: jihong.park@deakin.edu.au Jihong Park is a Lecturer (assistant professor) at the School of IT, Deakin University (Australia). He obtained B.S. and Ph.D. degrees from Yonsei University in Korea. He was a Postdoctoral Researcher at Aalborg University in Denmark and University of Oulu in Finland. His recent research focus includes communication-efficient distributed machine learning, distributed control, and distributed ledger technology, as well as their applications for beyond 5G/6G communication systems. He served as a Conference/Workshop Program Committee Member for IEEE GLOBECOM, ICC, and INFOCOM, as well as NeurIPS, ICML, and IJCAI. Currently, he is an Associate Editor of Frontiers in Data Science for Communications, a Review Editor of Frontiers in Signal Processing for Communications, and a Review Editor of Frontiers in Aerial and Space Networks. He was the national champion in Tetris.







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Dr Mehdi Bennis is an Associate Professor at the Centre for Wireless Communications, University of Oulu, Finland, Academy of Finland Research Fellow and head of the intelligent connectivity and networks/systems group (ICON). His main research interests are in radio resource management, heterogeneous networks, game theory and distributed machine learning in 5G networks and beyond. He has published more than 200 research papers in international conferences, journals and book chapters. He has been the recipient of several prestigious awards including the 2015 Fred W. Ellersick Prize from the IEEE Communications Society, the 2016 Best Tutorial Prize from the IEEE Communications Society, the 2017 EURASIP Best paper Award for the Journal of Wireless Communications and Networks, the all-University of Oulu award for research, the 2019 IEEE ComSoc Radio Communications Committee Early Achievement Award and the 2020 Clarviate Highly Cited Researcher by the Web of Science. Dr Bennis is an editor of IEEE TCOM and Specialty Chief Editor for Data Science for Communications in the Frontiers in Communications and Networks journal. Dr Bennis is an IEEE Fellow.