

**Makoto Ando** received the D.E. degrees in electrical engineering from Tokyo Institute of Technology, Tokyo, Japan in 1979. From 1979 to 1983, he worked at Yokosuka Electrical Communication Laboratory, Nippon Telegraph and Telephone Public Corporation (NTT), and was engaged in development of antennas for satellite communication. He moved to Tokyo Institute of Technology in 1983 and served as a Professor and Executive Vice President for Research 2015-2018. After retirement from Tokyo Tech, he is currently the Senior Executive Director of National Institute of Technology (KOSEN) since 2018.

His main interests have been field and waves in radio science, especially high frequency diffraction theory. His research also focuses upon the design of waveguide planar arrays and millimeter-wave antennas for future wireless communication.

He served as the guest editor-in-chief of more than six special issues in IEICE, Radio Science and IEEE. He was the general chair of the 2004 URSI International Symposium on Electromagnetic Theory in Pisa and of the 2007 International Symposium on Antennas and Propagation (ISAP2007) in Niigata. He was the Program Officer for engineering science group in Research Center for Science Systems, the Japan Society for the Promotion of Science (JSPS) in 2006-2009. He served as the member of Scientific Council for Antenna Centre of Excellence-ACE in EU's 6<sup>th</sup> framework program in 2004-2006. He served as the Chair of Commission B of the International Union of Radio Science (URSI) (2002-2005). He was the 2007 President of Electronics Society IEICE, the 2014 Vice President of IEICE, the 2018-2019 President of IEICE, the 2009 President of IEEE Antennas and Propagation Society, the 2015-2017 Chair of ISAP International Steering Committee (ISAP-ISC) and the 2011-2017 Vice-President of URSI. He is currently the President of URSI.

He received the Achievement Award and Distinguished Achievement and Contributions Award in 1993 and 2014 respectively, the Paper Awards in 1993, 2003, 2009 and 2016 from The Institute of Electronics, Information and Communication Engineers Japan (IEICE), the Best paper awards in 2011, 2012 and 2013 from Asia Pacific Microwave Conferences and in 2011 from International Millimeterwave Workshop (IMWS) of IEEE. He also received the 8<sup>th</sup> Inoue Prize for Science in 1992, the Meritorious Award of the Minister of Internal Affairs and Communications (MIC) and the Chairman of the Board of the Association of Radio Industries and Businesses (ARIB) in 2004, the Award in Information Promotion Month 2006 from MIC and the 2016 Culture Award from the Japan Broadcasting Corporation (NHK).

He is the Fellow IEEE, URSI and the honorary member of IEICE.