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| **Name: Makoto ANDO**  *Please underline last name* | *Recent photo* |
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| **biography:**  Makoto Ando received his doctorate of engineering in electrical engineering from Tokyo Institute of Technology in 1979. He subsequently joined NTT and was engaged in the development of antennas for satellite communication. He moved to Tokyo Institute of Technology in 1982 and served as a Professor and 2015-2018 Executive Vice President for Research. In 2018, he moved to National Institute of Technology (KOSEN) and served as the senior executive director until his retirement in 2020. Since 2020, He is the Program Director of Strategic Information and Communications R&D Promotion Programme (SCOPE) of Ministry of Internal Affairs and Communications, Japan (MIC). He also chairs the selection committee for Beyond 5G R&D Promotion Project issued by MIC.  His main interests have been field and waves in radio science, especially high frequency diffraction theory, the design of waveguide planar arrays, and millimeter-wave antennas for future wireless communication. He plays a leading role in the promotion of a wide range of applications of millimeter-wave wireless communications in Japan.  His international activities have included service as 2009 president of the IEEE Antennas and Propagation Society (AP-S), 2018-2019 President of The Institute of Electronics, Information and Communication Engineers (IEICE), Japan and 2017-2021 president of the International Union of Radio Science (URSI),  Professor Ando is a fellow of IEEE, URSI and an honorary member of IEICE.  Recognized by the IEICE with the Distinguished Achievement and Contributions Award, he has also received the Inoue Prize for Science, both the Meritorious Award on Radio and the Meritorious Award on Contributions to the Promotion of Computerization from the Minister of Internal Affairs and Communications (MIC) and the 2016 Culture Award from the Japan Broadcasting Corporation (NHK). | |

Recent Publications

Miao Zhang, Masahiro Wakasa, Koji Toyosaki, Kiyomichi Araki, Jiro Hirokawa and Makoto Ando, "Analysis of Intersymbol Interference Characterized by the Large Array Antennas Adopted in a 60-GHz-Band Gigabit Compact-Range Wireless Access System" IEEE Access. Vol.9, 80077-80087, 2021

T. Ruckkwaen, K. Araki, T. Tomura, J. Hirokawa, and M. Ando, “Experimental Evaluation of Intersymbol Interference in Non -Far Region Transmission using a Large Array Antenna in the Millimeter Wave Band,” IEICE Trans. Commun., vol. E103-B, no. 10, pp. 1136--1146, Oct. 2020.

Maifuz Ali, Makoto Ando, Teruhiro Kinoshita and Takashi Kuroki, "Accuracy check of GTD MER with Weighted Fringe Wave Using Fresnel Zone Number for Grazing Incidence and Slope Wave Diffraction,” Radio Science Letter, vol.1, DOI: 10.46620/19-0012, 2020

T. Hirasawa, S. Akiba, J. Hirokawa and M. Ando, "Fabrication and Evaluation of Integrated Photonic Array-Antenna System for RoF Based Remote Antenna Beam Forming," IEICE Trans. Electron., vol. 102, no. 3, pp. 235-242, Mar. 2019.

T. Ruckkwaen, K. Araki, T. Tomura, J. Hirokawa, and M. Ando, "Experimental Evaluation of Intersymbol Interference in Non-Far Region Transmission using 30-GHz Band Large Array Antennas,” IEEE AP-S URSI Intl. Symp., TU-UB.1P.9, Jul. 2019.

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K. Tekkouk, J. Hirokawa, and M. Ando, “Multiplexing Antenna System in the Non-Far Region Exploiting Two-dimensional Beam Mode Orthogonality in the Rectangular Coordinate System,” IEEE Trans. Antennas Propagat., vol. 66, no. 3, pp. 1507-1515, Mar. 2018.