

Curriculum Vitae: Takehiro Morioka



Takehiro Morioka received the Ph.D. degree in electrical engineering from the University of Tsukuba, Tsukuba, Japan, in 1998. He has been with the National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba since 1998 and was appointed a group leader of Electromagnetic Fields Standard Group, National Metrology Institute of Japan (NMIJ) in AIST in April 2020. In 2006, he researched at the National Institute of Standards and Technology (NIST), Boulder CO, US as a guest researcher.

Dr Morioka's current research interest includes the precision electromagnetic fields measurement, EMC measurements and related areas. He investigated the calibration methodology of the dipole antenna and the calibration capability of the dipole antenna was authorized by the intercomparison among the National Metrology Institutes. In addition to the dipole antenna measurement, he is investigating the E-field characterization technique both in free space and TEM waveguides for the field probe calibration. The numerical approach to improve the accuracy of the E-field measurement has been one of his major interests.

Lectures:

2022-09-03: "Precision dipole antenna measurement and site evaluation," Workshop, 2022 APEMC, China.

2020-11-06: "Know what you are measuring," IEICE EMC Workshop for Electric and Electronic Equipment (Online)

2018-05-14: "High-Precision Electric Field Measurement and Uncertainty," Tutorial, 2018 Joint IEEE EMC and APEMC, Singapore.

2016-02-10: "Energy harvest and EMC," Invited lecture at Chubu Electronics Association

2014-09-24: "Introduction to the Electromagnetic Fields Metrology," Invited lecture at Yeungnam University, Korea.