

AMTA 2023

Distinguished Achievement Award

Antenna Measurement Techniques Association Distinguished Achievement Award
Presented to

Dr. Olav Breinbjerg



The 2023 AMTA Distinguished Achievement Award is presented to Dr. Olav Breinbjerg, who throughout his career has exemplified and promoted the goals and objectives of the Antenna Measurement Techniques Association.

The AMTA hereby cites Dr. Olav Breinbjerg for:

- Technical-scientific contributions to near-field antenna measurements in areas of validation standard antennas, antenna diagnostics, higher-order probe correction, low-frequency probes, phaseless techniques, and high-accuracy pattern and gain determination.
- Leadership in founding the Technical University of Denmark (DTU) Electromagnetic Test Centre, and for managing major test campaigns for high-accuracy measurement of European Space Agency (ESA) Earth observation satellite antennas as well as in developing the DTU-ESA Spherical Near-Field Antenna Test Facility.
- MSc- and PhD-level supervision and teaching in near-field antenna measurement techniques at the Technical University of Denmark and within the European School of Antennas.
- Contributions to international cooperations on antenna measurements within the EU Antenna Centre of Excellence, the EurAAP facility validation campaigns, and the IEEE Standards Committee; and for many years' engagement and publications at AMTA.

Dr. Olav Breinbjerg was born in Silkeborg, Denmark, in 1961. He received the M.Sc. and Ph.D. degrees in electrical engineering from the Technical University of Denmark (DTU) in 1987 and 1992, respectively. He was on the Faculty of DTU's Department of Electrical Engineering as an Assistant Professor from 1991 to 1995, Associate Professor from 1995 to 2005, and Full Professor from 2006 to 2021. From 1997 to 2021 he was also Head of the Electromagnetic Systems Group and the DTU-ESA Spherical Near-Field Antenna Test Facility, and he founded the DTU Electromagnetic Test Centre. He resigned his position at DTU in May 2021 and founded EIMaReCo for independent research consultancy. Olav Breinbjerg was a Visiting Scientist at Rome Laboratory in 1988, a Fulbright Research Scholar at the University of Texas at Austin in 1995, and a Visiting Professor at the University of Sienna in 2011 and 2022. He has been the main supervisor of 17 Ph.D. students. His research is generally in applied electromagnetics - particularly in antennas, antenna measurements, computational techniques, and scattering - for applications in wireless communication and sensing technologies. He is the author or co-author of more than 75 journal papers, 250 conference papers, and 250 technical reports. Dr. Breinbjerg was a recipient of a U.S. Fulbright Research Award in 1995, the 2001 AEG Elektron Foundation's Award, the 2003 DTU Student Union's Teacher of the Year Award, the 2013 and 2015 European School of Antennas Teacher of the Year Awards, and the 2020 Hans Christian Ørsted Award. Olav Breinbjerg is a Fellow of AMTA and IEEE and Knight of the Order of Dannebrog.