

Dr. Jonathan L. Frasch is currently an Electrical Engineer with the Material Measurements Lab of The Boeing Company in St. Louis, MO, focused on material research and testing activities. His current duties involve contributions to several proprietary programs developing new tools and test methodologies in preparation of production testing.

Jonathan has over 13 years of experience in electromagnetic characterization of materials; optimization algorithm development; and design and testing of radomes, single element antennas, and phased array antennas. Prior to joining Boeing in 2022, he was employed by Resonant Sciences in Dayton, OH, and the Raytheon Technologies Radome and Aperture Products Group in McKinney, TX.

He was awarded a Ph.D. degree from Michigan State University in 2017 after serving as a Graduate Research Assistant from 2012 to 2016. Before switching to the study of electromagnetics, he taught mathematics and engineering courses at a Missouri community college from 2009 to 2012, and served as a Graduate Teaching Assistant for the Missouri University of Science and Technology from 2006 to 2009 with the Mathematics Department and the Nuclear Engineering Department.

Dr. Frasch received his B.S. and M.S. degrees in Nuclear Engineering from the Missouri University of Science and Technology (formerly UMR) in 2006 and 2008 respectively in Rolla, Missouri. In 2005, he attended a special summer training program at Los Alamos National Laboratory with the non-destructive testing unit.

Jonathan has been an AMTA member since 2013 and has served on the Technical Program Committee, Student Paper and Travel Scholarship Award Committee, and Student Best Paper Committee, and as a Technical Program Session Chair. In addition, he has also been actively involved in Student Day. He is also a member of the IEEE and the American Nuclear Society, and has been awarded membership in Tau Beta Pi, Phi Kappa Phi, Alpha Nu Sigma, and Phi Theta Kappa honor societies.

Jonathan is running for the board of directors to continue supporting AMTA's ongoing mission of promoting the antenna measurements community. AMTA should continue to be a gathering place for all who love electromagnetics and all of the wonderful things that we can do with EM technologies. We should continue to promote outreach and opportunities to future generations of scientists and engineers. Youth are the lifeblood of any organization, and they will be the ones to push the frontiers of science if we give them the support and guidance that they need to grow.