

Thomas M. Weller received the B.S., M.S. and Ph.D. degrees in Electrical Engineering in 1988, 1991, and 1995, respectively, from the University of Michigan, Ann Arbor. From 1988-1990 he worked at Hughes Aircraft Company in El Segundo, CA. He joined the University of South Florida in 1995 where he is currently a professor in the Electrical Engineering Department and co-director of the Center for Wireless and Microwave Information Systems (the WAMI Center). Dr. Weller has been the chair of the USF Electrical Engineering Department since 2012, and served as the Associate Dean for Research in the USF College of Engineering from 2008-2012. He co-founded Modelithics, Inc. in 2001, a Tampa-based company specializing the microwave modeling services and CAE model libraries.

Dr. Weller was a co-recipient of the 1996 Microwave Prize from the IEEE MTT Society, a recipient of a CAREER Award from The National Science Foundation in 1999, and a recipient of the Outstanding Young Engineer Award from the IEEE MTT Society in 2005. He also received IBM Faculty Partnership Awards (2000, 2001), the University of South Florida President's Award for Faculty Excellence (2003), and the William R. Jones Outstanding Mentor Award from the Florida Education Fund (2010). He is a Charter Member of the USF Academy of Inventors and a Fellow of the National Academy of Inventors.

Dr. Weller is an active Senior Member of the IEEE, the Microwave Theory and Techniques Society and the Antennas and Propagation Society. His involvement includes being Vice-Chair of the 2014 International Microwave Symposium; General Chair (2000-2002), Co-Chair (1999), Registration Chair (2003-2010) and Awards Chair (2011-2014) of the Wireless and Microwave Technology Conference; Technical Program Committee (since 2001), member of Meetings and Symposia Committee (since 2015), member and chair of the Technical Coordinating Committee on RF MEMS (2001-2012) and member of the Distinguished Lecturers Selection Committee (2004-2008) for the Microwave Theory and Techniques Society; Vice President of Technical Operations (2002-2006), Chair of Distinguished Lecturers Program (2005-2007) and Adcom Member (1998-2006) for the IEEE Sensors Council. He serves as reviewer for numerous IEEE journal publications.

Research Interests

Dr. Weller's research interests are in tunable and reconfigurable microwave circuits, microwave applications of additive manufacturing and 3D printing, electromagnetics sensors, passive microwave circuit design, planar and 3D electrically-small antennas, and equivalent circuit modeling. He has served as Principal or Co-Principal Investigator on more than 100 externally funded research projects from sponsors that include The National Science Foundation, Office of Naval Research, Army Research Laboratory, Air Force Research Laboratory, Central Intelligence Agency and numerous private companies.

Dr. Weller has published over 80 journal papers, 225 conference papers and 2 book chapters and he holds 32 U.S. patents. He has served as Major Professor for 16 Ph.D. graduates and 49 MSEE graduates, and his students have received more than 55 award recognitions.