

**Magdy F. Iskander** (IEEE S'72–M'76–SM'84–F'93–LF'12) is the Director of the Hawaii Center for Advanced Communications (HCAC), College of Engineering, University of Hawaii at Manoa, Honolulu, HI, USA. He is Co-Director the NSF Industry/University Cooperative Research Center with four other universities.

From 1997–1999, he was a Program Director in the Electrical Communications and Cyber Systems Division at the National Science Foundation, where he formulated a “Wireless Information Technology” Initiative in the Engineering Directorate. He was a member of the 1999 WTEC panel on “Wireless Information Technology-Europe and Japan,” and chaired two International Technology Institute Panels on “Asian Telecommunication Technology” sponsored by NSF/DoD in 2001 and 2003. He was also a member of the 1994 National Academy of Science Panel on “Microwave Processing of Materials.”

He was the 2002 President of IEEE Antennas and Propagation Society (AP-S) and a Distinguished Lecturer for the IEEE AP-S (1994–1997). He authored the textbook *Electromagnetic Fields and Waves* (Prentice Hall, 1992, and Waveland Press, 2001; second edition 2012); edited the *CAEME Software Books*, Vol. I, II 1991–94; and edited four books on *Microwave Processing of Materials* (Materials Research Society, 1990–1996). He edited two special issues of the *IEEE Transactions on Antennas and Propagation on Wireless Communications Technology* in 2002 and 2006 and co-edited a special issue of the *IEICE Journal* in Japan in 2004.

He has published over 230 papers in technical journals, holds nine patents, and has made numerous presentations at national and international conferences. He is the founding editor of the *Computer Applications in Engineering Education* (CAE) journal, published by Wiley (1992–present) and the founder of MiWa Technologies LCC for medical devices.

Much of his research is funded by the National Science Foundation, the U.S. Army CERDEC, and the Office of Naval Research, as well as several corporate sponsors. As a result of a NSF Major Research Instrumentation grant, he established wireless testbeds, indoor antenna ranges, microwave network analysis labs, and an RF fabrication and characterization lab at the University of Hawaii at Manoa. His center HCAC has an ongoing ten-year grant (2005–2015) for partnership in the NSF Industry/University Cooperative Research Center in Telecommunications with the University of Arizona, Arizona State University, RPI, and The Ohio State University. His research focus is on antenna design and propagation modeling for wireless communications and radar systems as well as the area of biological effects and medical applications of electromagnetics.

Dr. Iskander has received many teaching and research excellence awards, including the 2012 University of Hawaii Board of Regents' Medal for Excellence in Research and the 2010 Board of Regents' Medal for Teaching Excellence. In 2012, he received the IEEE AP-S Chen-To Tai Distinguished Educator Award and in 2013 the IEEE MTT-S Distinguished Educator Award. He also received the 2010 Northrop Grumman Excellence in Teaching Award, and the 2011 and 2014 Hi Chang Chai Outstanding Teaching Award which is voted by the graduating senior class. In 2000, he received the University of Utah Distinguished Teaching Award. In 1985, he received the American Society for Engineering Education (ASEE) Curtis W. McGraw National Research Award, and in 1991 the ASEE George Westinghouse National Education Award. In 1992, he also received the Richard R. Stoddard Award from the IEEE EMC Society. In 2014, his company MiWa Technologies, along with his graduate students, won the first place prize in the University of Hawaii Business Plan Competition, for the “CP Stethoscope” project.