

# 2012 Chen-To Tai Distinguished Educator Award

**T**HE Chen-To Tai Distinguished Educator Award was established in 2000 by the IEEE Antennas and Propagation Society to recognize outstanding career achievements by a distinguished educator in the field of antennas and propagation.

The 2012 Award was presented to Magdy F. Iskander “*For innovation and distinguished contribution to engineering education and STEM outreach programs.*”



**Magdy F. Iskander** is Director of the Hawaii Center for Advanced Communications (HCAC), College of Engineering, University of Hawaii at Manoa, Honolulu, <http://hcac.hawaii.edu>. He is Co-Director the NSF Industry/University Cooperative Research Center with four other universities. From 1997–1999 he was a Program Director at the National Science Foundation, where he formulated a “Wireless Information Technology” Initiative in the Engineering Directorate.

He authored the textbook *Electromagnetic Fields and Waves* (Prentice Hall, 1992; and Waveland Press, 2001; 2nd edition 2012), edited the *CAEME Software Books*, Vol. I, II 1991–94; and edited four books on *Microwave Processing of Materials* (Materials Research Society, 1990–96). He has published over 230 papers in technical journals, has eight patents, and made numerous presentations in national and international conferences. He is the founding editor of the *Computer Applications in Engineering Education* (CAE) journal, published by Wiley (1992–present). His research focus is on antenna design and propagation modeling for wireless communications and radar systems. His areas of research include phased antenna array design for communications and

radar applications, wireless propagation modeling in complex communication environments, computational electromagnetics techniques and applications.

Dr. Iskander was elected Fellow of the IEEE in 1993. He received the 2010 University of Hawaii Board of Regents’ Medal for Teaching Excellence, the 2010 Northrop Grumman Excellence in Teaching Award, the 2011 Hi Chang Chai Outstanding Teaching Award, and the University of Utah Distinguished Teaching Award in 2000. He also received the 1985 Curtis W. McGraw ASEE National Research Award, 1991 ASEE George Westinghouse National Education Award, 1992 Richard R. Stoddard Award from the IEEE EMC Society. 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 edited two special issues of the IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION in 2002 and 2006, and co-edited a special issue of the IEICE Journal in Japan in 2004. He was the 2002 President of IEEE Antennas and Propagation Society, Distinguished Lecturer for IEEE AP-S (1994–97).