

DISTINGUISHED EDUCATOR AWARD:

This award was inspired by the untimely death of Prof. F.J. Rosenbaum (1937–1992), an outstanding teacher of microwave science and a dedicated AdCom Member and contributor. The award recognizes a distinguished educator in the field of microwave engineering and science who best exemplifies the special human qualities of Fred Rosenbaum who considered teaching a high calling and demonstrated his dedication to the Society through tireless service. This year's recipients are **Magdy Iskander** and **Zoya Popovic**.



Magdy Iskander

"For outstanding contributions as a teacher, mentor, and role model for students in the microwave profession"

Magdy F. Iskander, Director of the Hawaii Center for Advanced Communications (HCAC), College of Engineering, University of Hawaii at Manoa, Honolulu, Hawaii <http://hcac.hawaii.edu> He is Co-director the NSF Industry /University Cooperative Research Center with four other universities. From 1997-99 he was a Program Director at the National Science Foundation, where he formulated a "Wireless Information Technology" Initiative in the Engineering Directorate. He edited two special issues of the IEEE Transaction on "Antennas and Propagation on Wireless Communications Technology," 2002 and 2006, co-edited a special issue of 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), Fellow of IEEE, 1993, and received the 2012 IEEE AP-S Chen To Tia Distinguished Educator Award and the 2013 IEEE MTT-S Distinguished Educator Award

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*, published by the Materials Research Society, 1990-96. He has published over 230 papers in technical journals, has 9 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 John Wiley (1992-present).

Dr. Iskander received the 2013 University of Hawaii Board or Regent Medal for Excellence in Research and the 2010 Regents' Medal for Excellence in Teaching. He Received 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, and the 1992 Richard R. Stoddard Award from the IEEE EMC Society.

His HCAC Center has an ongoing 10-year grant (2005-2014) for partnership in the NSF Industry/University Cooperative Research Center in Telecommunications with the University of Arizona, Arizona State University, and the Ohio State University. His research focus is on antenna design and propagation modeling for wireless communications and radar systems and his group recently received NSF grants for The NSF ICORPS participation and for the International collaboration on the development of the "Microwave Stethoscope" for vital signs and lung water content monitoring of remote patients and school students.