

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**.



Zoya Popovic

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

Zoya Popović (S'86–M'90–SM'99–F'02) received the Dipl.Ing. degree from the University of Belgrade, Serbia, Yugoslavia, in 1985, and the Ph.D. degree from the California Institute of Technology, Pasadena, in 1990, from Prof. David Rutledge. Since 1990, she has been with the University of Colorado at Boulder, where she is currently a Distinguished Professor and holds the Hudson Moore Jr. Chair in the department of Electrical, Computer and Energy Engineering. In 2001, she was a Visiting Professor with the Technical University of Munich, Munich, Germany with Prof. Peter Russer. She was elected a Foreign Member of the Serbian Academy of Sciences and Arts in 2006.

Since 1991, she has graduated 46 Ph.D. students and currently advises 15 graduate students, 3 post-doctoral fellows, and 4 research undergraduates. Over 85% of her students have been US citizens and many are now at Sandia, Lincoln Labs, ARL and NASA. Several became professors (e.g. Prof. Wayne Shiroma, University of Hawaii). A few became successful entrepreneurs, e.g. Dr. Jason Breitbarth founded Holzworth Engineering and has a booth at the conference (go visit him!). Others are at companies such as TI and Qualcomm, or with national institutes such as NIST and NCAR.

At the University of Colorado, Prof. Popovic has developed half a dozen courses and wrote a book in Engineering Electromagnetics with her late father, Branko Popovic, which is now free to students. She teaches sophomores how to build radios, undergraduate EM classes to juniors, a senior-level microwave laboratory and several graduate classes, including an active microwave circuits design class in which TriQuint fabricates GaAs MMICs designed by the students, and several of these class projects have been published.

Prof. Popovic's research interests have over the years spanned a broad range of microwave and antenna engineering. She is currently working on high-efficiency GaN supply-modulated transmitters for radar and communications, microwave radiometry for medical applications, THz components and systems, cryogenic electronics and wireless sensor powering.

Prof. Popovic was the recipient of the 1993 and 2006 Microwave Prizes presented by the IEEE Microwave Theory and Techniques Society (IEEE MTT-S) for the best journal papers. She received the 1996 URSI Issac Koga Gold Medal and was named an NSF White House Presidential Faculty Fellow in 1993. She was the recipient of a 2000 Humboldt Research Award for Senior U.S. Scientists from the German Alexander von Humboldt Stiftung. She was also the recipient of the 2001 Hewlett-Packard(HP)/American Society for Engineering Education(ASEE) Terman Medal for combined teaching and research excellence and the University of Colorado Holland Teaching award. She has a husband physicist and three daughters who can all solder.