

SHORT BIOGRAPHICAL SKETCH

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Dr. Abdel-Aty-Zohdy received the B.A.Sc. degree (with First Class Honors), from Cairo University, Cairo, Egypt, the M.A.Sc. and the Ph.D. degrees from the University of Waterloo, Waterloo, Ontario, Canada, all in Electrical Engineering. She is the Founder and Director of the Microelectronics System Design Laboratory at Oakland University. She is Coordinator of the Engineering Physics Program, and an Associate Professor in the department of Electrical and Systems Engineering. Her current research and teaching activities are in microelectronics, Intelligent Information Processing, embedded Neural Networks and Genetic Algorithms for novel systems-on-a-chip, Analog ICs, Electronic Nose and other bio-inspired systems. Dr. Abdel-Aty-Zohdy published over 100 refereed technical papers and reports in these areas.

Dr. Abdel-Aty-Zohdy has been a National Academy of Science/National Research Council fellowship Award winner at the Wright-Patterson Air Force Base 2000 and 2001, a faculty intern at the Chrysler Technology Center, Advanced Manufacturing Engineering, 1998 and 1997, Consultant to FANUC-BERKELEY MEMS Lab, 1996; DARPA supported Visiting Associate Professor, The University of Michigan, Ann Arbor, Center for Integrated Sensors and Circuits, 1995. Consultant to General Motors Research Labs, ITT, and a summer visiting professor. at the Institute for Computer Research, university of waterloo.

Dr. Abdel-Aty-Zohdy is the elected Chair for the IEEE/SEM Section Chapter-I on Circuits and Systems, signal Processing, Information Theory, and control. She is the technical program co-chair for the IEEE Midwest Symposium on Circuits and Systems, 2000 and 2001. She is a member of the technical program and the steering committees. She was a member of the IEEE Custom Integrated Circuits Conference Steering and Technical Program Committees, the Organizer and General Chair of the Educational program for the CICC'88, and a member of the Technical Program Committee for the IEEE Great Lakes Symposium on VLSI. She is a member of technical program committee for the IEEE CS International Conference on Microelectronic Systems Education, and a member of the Steering Committee for the IEEE International Conference on Electronics Circuits and Systems. Dr. Abdel-Aty-Zohdy is a member of Eta Kappa Nu, Sigma Xi, ACM SIGDA, AWIS Detroit Area chapter, IASTED, CSEE, EIC, and a senior member and faculty advisor for the Society of Women Engineers.