

2000 Microwave Career Award

James C. Wiltse

The Microwave Career Award is the highest honor bestowed by MTT-S. It recognizes a career of meritorious achievement and outstanding technical contribution by an individual in the field of microwave theory and techniques. Our honored recipient is Dr. James C. Wiltse. He is an IEEE Fellow. His citation reads "FOR A CAREER OF LEADERSHIP, MERITORIOUS ACHIEVEMENT, CREATIVITY, AND OUTSTANDING CONTRIBUTIONS IN THE FIELD OF MICROWAVE THEORY AND TECHNIQUES."

James Wiltse received his bachelor's and master's degrees from Rensselaer Polytechnic Institute and his doctorate from Johns Hopkins University, in electrical engineering. Since 1978, Dr. Wiltse has been employed at the Georgia Institute of Technology as a Principal Research Engineer in the Georgia Tech Research Institute (GTRI), and from 1979-1991 he also served as Associate Director of GTRI, with management responsibility for the electronics laboratories. He was an Adjunct Professor in the School of Electrical Engineering until 1994. As the liaison between GTRI and the academic schools, he managed the program for graduate research assistants and was the advisor for several masters and Ph.D. students. He also initiated and taught several continuing education courses.

Prior to going to Georgia Tech, Dr. Wiltse spent 14 years at Martin Marietta Corp., Orlando, FL, where he held various titles including Director of Research and Technology, Director of Electronics Engineering, Director of Research and Engineering Operations, Principal Research Scientist, and Laboratory Manager. Previously he was Director of Advanced Technology at Electronic Communications, Inc. (now E-Systems, a division of Raytheon Corporation). He also taught electrical engineering courses at Johns Hopkins and Rensselaer Polytechnic Institute.

Dr. Wiltse is the author or co-author of over 135 publications. He has given scores of presentations (many invited) at technical conferences and symposia; for example, he was a keynote speaker at the 1979 IEEE International Microwave Symposium and the 1991 European Microwave Symposium (as the MTT-S designated speaker). He served for a year as the National Lecturer on Millimeter Waves for the IEEE Microwave Society. He was a member of the IEEE/MTT-S delegation to the Soviet Popov Society Conference in 1979, and also was co-leader of a People-to-People delegation of U.S. microwave engineers/scientists to the USSR and other European laboratories in 1980.

Dr. Wiltse served two terms on the Administrative Committee for the Microwave Society, has been a member of the MTT Transactions Editorial Board since 1959, served as Transactions Guest Editor on two occasions, and also served as a reviewer for the MTT Microwave and Guided Wave Letters. In addition, he has been a member of the Technical Program Committee for the IEEE International Microwave Symposium for more than 20 years. He was the co-chairman of the TPC in 1979, and also served on the steering committees for four of the Microwave Symposia. Dr. Wiltse has often served as a session chairman at the Microwave Symposium, and has organized several focused sessions. He has been a member and chairman of MTT-6.

Active in the IEEE, he has held offices at national, regional, and local levels, including activities as chairman or co-chairman of international technical symposia, and chairman of the Atlanta and Orlando Sections. For many years he has served on the editorial boards of several other journals, and as a guest editor on occasion. This includes the IEEE Proceedings, the Microwave Journal, Microwave and Optical Technology Letters, the International Journal of Infrared and Millimeter Waves, and the IEEE Transactions on Antennas and Propagation. Dr. Wiltse was also an editorial reviewer for several book publishers. He has been a member of the boards of directors of Southcon, the Electronic Defense Association (Association of Old Crows), and Millimeter Wave Technology, Inc., and he has served as a consultant to government and industry. Dr. Wiltse is a member of Sigma Xi, Tau Beta Pi, and Eta Kappa Nu and a Fellow of the IEEE, and the recipient of several IEEE awards. His name is listed in various biographical references.

