2002 Outstanding Young Engineer Award

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The MTT Outstanding Young Engineer Award recognizes an outstanding young MTT-S Member, who has distinguished him/herself through achievement(s), which may be technical (within the MTT-S Field of Interest), may be exemplary service to the MTT-S, or may be a combination of both. In this, the inaugural year of this award, our recipient is Ke Wu. His citation reads **"For Outstanding Contributions To Hybrid Integration Of Planar And Non-Planar Microwave And Millimeter-Wave Circuits, And The Theory And Practice Of Guided-Wave Structurea".**

Ke Wu (M'87-SM'92-F'01) was born in Liyang, Jiangsu Province, China. He received the B.Sc. degree with distinction in radio engineering from Nanjing Institute of Technology (now Southeast University), Nanjing, China, in 1982 and the D.E.A. and Ph.D. degree with distinction in optics, optoelectronics, and microwave engineering from Institut National Polytechnique de Grenoble (INPG), France, in 1984 and 1987, respectively.

He conducted research in the Laboratoire d'Electromagnetisme, Microondes et Optoelectronics (LEMO), Grenoble, France, prior to joining the Department of Electrical and Computer Engineering at the University of Victoria, Canada. Subsequently, he joined the Department of Electrical Engineering at the Ecole Polytechnique (University of Montreal) as an assistant professor, and he is now a full professor. Dr. Wu held visiting or guest professorships at Telecom-Paris and INP-Grenoble, France, the City University of Hong Kong, the Swiss Federal Institute of Technology (ETH-Zurich), the National University of Singapore, the University of Ulm, Germany, and many short-term visiting professorships in other universities. He also holds an honorary visiting professorship of the Southeast University, China. He has been the head of the FCAR Research Group of Quebec on RF and microwave electronics, the director of the Poly-Grames Research Center, and the founding director of the newly developed Canadian Facility for Advanced Millimeter-wave Engineering (FAME). He has authored or co-authored over 300 referred papers, and several book chapters. His research interests involve hybrid and monolithic planar/non-planar integration techniques, active and passive circuits, antenna arrays, advanced field-theory based CAD and modeling techniques, and development of low-cost RF and millimeter-wave transceivers. He is also interested in the modeling and design of microwave photonic circuits and systems. He has held many positions in and has served on various international committees, including the TPC vice-chairperson of the 1997 Asia-Pacific Microwave Conference, the general co-chair of the 1999 and 2000 SPIE's International Symposium on Terahertz and Gigahertz Electronics and Photonics, and the general chair of 8th International Microwave and Optical Technology (ISMOT'2001).

Dr. Wu received a URSI Young Scientist Award, the IEE Oliver Lodge Premium Award, the Asia-Pacific Microwave Prize, the University Research Award "Prix Poly 1873 pour l'Excellence en Recherche" from the Ecole Polytechnique, and the Urgel-Archambault Prize in the field of Physical Sciences, Mathematics and Engineering from the French-Canadian Association for the Advancement of Science (ACFAS). He has served on the editorial or review boards of various technical journals, including IEEE Transactions On Microwave Theory And Techniques, IEEE Transactions On Antennas And Propagation, IEEE Microwave And Guided Wave Letters, And Microwave And Optical Technology Letters. Dr. Wu served on the 1996 IEEE Admission and Advancement Committee, the Steering Committee for the 1997 joint IEEE AP-S/URSI International Symposium. He has also served as a TPC member for the IEEE MTT-S International Microwave Symposium. He has been elected into the board of directors of Canadian Institute for Telecommunication Research (CITR). He serves on the Technical Advisory Board of Lumenon Lightwave Technology, Inc. Dr. Wu is chair of the joint IEEE chapter of MTTS/APS/LEOS in Montreal. He is a member of Electromagnetics Academy.