

## MICROWAVE APPLICATION AWARD:

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This award recognizes an individual or team for outstanding application of microwave theory and techniques. This year's recipient is Wolfgang Menzel.



### Wolfgang Menzel

*"In recognition of outstanding application of microwave theory and demonstration of the first planar microstrip leaky-wave antenna"*

Wolfgang Menzel received the Dipl.-Ing. degree in electrical engineering from the Technical University of Aachen, Germany, in 1974, and the Dr.-Ing. degree from the University of Duisburg, Germany, in 1977. He was with the University of Duisburg from 1974 to 1979, working first on microstrip discontinuities, then on planar, mostly microstrip antennas, finally resulting in the first microstrip leaky-wave antenna using the first higher-order mode of a wide microstrip line.

From 1979 to 1989, he was with the Millimeter-Wave Department, AEG, Ulm, Germany [now the European Aerospace, Defense, and Space Systems (EADS)]. From 1980 to 1985, he was Head of the Laboratory for Integrated Millimeter-Wave Circuits. From 1985 to 1989, he was Head of the entire Millimeter-Wave Department. During that time, his areas of interest included planar integrated circuits (mainly on the basis of fin-line techniques), planar antennas, and radar and communication systems in the millimeter-wave frequency range.

In 1989, he became a Full Professor with the Institute of Microwave Techniques, University of Ulm, Germany. His current areas of interest are multilayer planar circuits and components, planar and quasi-planar antennas, millimeter-wave and microwave interconnects and packaging, as well as millimeter-wave application and system aspects with emphasis on radars for automotive and related applications.

Dr. Menzel is a Fellow of the IEEE. He was an associate editor for the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES (2003–2005). From 1997 to 1999, he was a Distinguished Microwave Lecturer for Microwave/Millimeter Wave Packaging. From 1997 to 2001, he chaired the German IEEE Microwave Theory and Techniques (MTT)/Antennas and Propagation (AP) Chapter. He was the recipient of the 2002 European Microwave Prize.