

Outstanding Career Award Winner 2023 **Prof. Werner Wiesbeck**

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Werner Wiesbeck received the Dipl.-Ing. (M.S.E.E.) and the Dr.-Ing. (Ph.D.E.E.) degrees from the Technical University Munich in 1969 and 1972, respectively. From 1972 to 1983 he was with AEG-Telefunken in various positions including that of Head of R&D of the Microwave Division in Flensburg and Marketing Director Receiver and Direction Finder Division, Ulm. During this period, he had product responsibility for mm-wave radars, receivers, direction finders and electronic warfare systems.

From 1983 to 2007 he was the Director of the Institut für Höchstfrequenztechnik und Elektronik (IHE) at the University of Karlsruhe (TH) and he is now Distinguished Senior Fellow at the Karlsruhe Institute of Technology (KIT). Research topics include antennas, wave propagation, Radar, remote sensing, wireless communication, ultra-wideband technologies and drone (UAV) security.

He is author and co-author of several books and of more than 850 publications, supervisor of more than 90 PhDs, and responsible supervisor of over 600 Diploma-/Master theses and he holds over 60 patents.

In 1989 and 1994, respectively, he spent a six-month sabbatical at the Jet Propulsion Laboratory, Pasadena.

He is a member of the IEEE GRS-S AdCom (1992 – 2003), Chairman of the GRS-S Awards Committee (1994 – 1998, 2002 – 2017), Executive Vice President IEEE GRS-S (1998 – 1999), President IEEE GRS-S (2000 – 2001), Associate Editor IEEE-AP Transactions (1996 – 1999), past Treasurer of the IEEE German Section (1987 – 1996, 2003 – 2007).

He has been General Chairman of the '88 Heinrich Hertz Centennial Symposium, the '93 Conference on Microwaves and Optics (MIOP '93), the Technical Chairman of International mm-Wave and Infrared Conference 2004, Chairman of the German Microwave Conference GeMIC 2006 and he has been a member of the scientific committees and TPCs of many

conferences. He was a member of an Advisory Committee of the EU Joint Research Centre (Ispra/Italy), and he is an advisor to the German Research Council (DFG), to the German Federal Ministry of Education and Research (BMBF) and to industry in Germany. He is the recipient of a number of awards, lately the IEEE Millennium Award, the IEEE GRS Distinguished Achievement Award, the Honorary Doctorate (Dr. h.c.) from the University Budapest/Hungary, the Honorary Doctorate (Dr.-Ing. E.h.) from the University Duisburg/Germany, the Honorary Doctorate (Dr.-Ing. E.h.) from the Technische Universität Ilmenau and the IEEE Electromagnetics Award 2008.

He is a Life Fellow of IEEE, an Honorary Life Member of IEEE GRS-S, a Member of the Heidelberger Academy of Sciences and Humanities and a Member of the German Academy of Engineering and Technology (acatech).

He is a member of the German VDE since 1972 and Fellow VDE-ITG. He is chair of a number of national and international Awards Committee