

## **Biography of Professor Peter Russer**

Professor Peter Russer received the Dipl.-Ing. (M.S.E.E.) degree in 1967 and the Dr. techn. (Ph.D.E.E.) degrees in 1967 and 1971, respectively, both from the Vienna University of Technology, Austria. In 1971 he joined the Research Institute of AEG-Telefunken in Ulm, Germany, where he worked on fiber optic communication, broadband solid-state electronic circuits, statistical noise analysis of microwave circuits, laser modulation and fiber optic gyroscopes. With his research group he realized in 1978 the first optical fiber transmission link for 1 Gbit/s worldwide.

From 1981 to 2008 Peter Russer has been Professor and head of the Institute for High Frequency Engineering at the Technische Universität München (TUM), Germany. From October 1992 to March 1995 he also has been Director of the Ferdinand-Braun-Institut für Höchstfrequenztechnik, Berlin. From 1997 to 1999 he has been Dean of the Department of Electrical Engineering and Information Technology of the Technische Universität München. In 1990 Peter Russer has been Visiting Professor at the University of Ottawa, in 1993 he has been Visiting Professor at the University of Victoria and from August to October 2009 he has been Visiting Scientist at the Institut Supérieur de l'Aéronautique et de l'Espace (ISAE) in Toulouse.

The current research interests of Peter Russer include electromagnetic fields, numerical electro-magnetics, metamaterials, integrated microwave and millimeter-wave circuits, statistical noise analysis of microwave circuits, time-domain measurement methods in electromagnetic compatibility, methods for computer-aided design of microwave circuits and antennas, quantum nanoelectronics and quantum computing.

Peter Russer has published five books and more than 700 scientific papers in refereed journals and conference proceedings. His awards include the NTG best paper award 1979, the Distinguished Educator Award 2006 of the IEEE MTT Society and the 2009 Distinguished Service Award from the European Microwave Association (EuMA). In 1994 he was elected Fellow of the IEEE, in 2006 he was elected member of acatech and in 2007 he received an honorary Doctor degree from the Moscow University of Aerospace Technologies (MAI).