

# OUTSTANDING YOUNG ENGINEER AWARD

## Ilona Rolfes

“For outstanding early career contributions to the microwave profession”



**Ilona Rolfes** was born in 1973 in Hagen, Germany. From 1992 to 1997 she studied electrical engineering at the Ruhr-University Bochum, Germany. From 1997 to 2005 she worked as a scientific researcher at the Institute for High Frequency Techniques at the Ruhr-University Bochum. In 2002, she received the Dr.-Ing. degree with highest grade “summa cum laude” for her doctoral thesis: “Methods for the precise measurement of the scattering and the noise parameters of linear two-ports at microwave frequencies. From 2005 to 2009 she worked as Juniorprofessor in the department of electrical engineering at the Leibniz University Hannover where she was Director of the Institute for Radiofrequency and Microwave Engineering from 2006 to 2009. In 2009 Ilona Rolfes received several calls to full professorships namely to the University of Stuttgart as director of the Institute for High Frequency Techniques and to the Leibniz University Hannover, as director of the Institute for Radiofrequency and Microwave Engineering as well as to the Ruhr-University Bochum, where, since 2010, Ilona Rolfes heads the chair of High Frequency Systems. Since 2010, she is Vice Dean of her faculty. Within the IEEE, Ilona Rolfes is board member of the german IEEE MTT-AP chapter and she is reviewer for various IEEE transactions and conferences. She is board member of the german VDE-ITG commission 9.1 „Measure-

ment techniques for the information technology“, board member of the german commission for electromagnetic metrology of U.R.S.I. (International Union of Radio Science) and Vice president of the German Association of University Professors and Lecturers (DHV, Deutscher Hochschulverband), the main representation of all german university professors with more than 25.000 members. Her fields of research are concerned with high frequency measurement methods for vector network analysis, material characterization, noise characterization of microwave devices as well as sensor principles for radar systems and wireless solutions for communication systems. Ilona Rolfes is author or co-author of more than 100 publications in reviewed reputable journals and proceedings of conferences, of a book on noise theory and of numerous patents. For her research activities she already received some awards, as e.g. the European Microwave Price of the European Microwave Conference 2001.