

# Microwave Application Award 2016

This award recognizes an individual or team for outstanding application of microwave theory and techniques. This year's recipient is **are Ulrich L. Rohde**

*"For significant contributions to the improvement of low-noise oscillator performance"*

**and Doug Rytting and John Barr**

*"For the development of commercial vector network analyzer technology, as embodied by the HP 8510"*



## Ulrich L. Rohde

Prof. Dr.-Ing. habil. Dr. h.c. mult. Ulrich L. Rohde is the partner of Rohde & Schwarz, Munich Germany, Chairman of Synergy Microwave Corp., Paterson, New Jersey; President of Communications Consulting Corporation, serving as an honorary member of the Senate of the Armed Forces University Munich, honorary member of the Senate of the Brandenburg University of Technology Cottbus-Senftenberg, past member of the Board of Directors of Ansoft Corporation, Pittsburgh, Pennsylvania. Dr. Rohde is serving as an honorary professor at IIT Delhi, full professor at Oradea University, Romania, and visiting professor at Technical University Munich, Germany. Prior to Honorary Professor of RF and Microwave Technologies at the University of Cottbus, Dr. Rohde was member of the staff at George Washington University (1982) and as an adjunct professor at the University of Florida, Gainesville, teaching in the Electrical Engineering and Computer Sciences departments gave numerous lectures worldwide regarding communications theory and digital frequency synthesizers.

Dr. Rohde is an IEEE Life Fellow, published more than 350 scientific papers in professional journals and conferences, co-authored 15 technical books and book chapters, and over 4 dozen patents. Dr. Rohde is a recipient of the prestigious 2014 IFCS C. B. Sawyer Award, 2015 IFCS I. I. Rabi Award, and 2015 IEEE Region 1 Scientific Innovation award. Dr. Rohde is a member of the following: Fellow Member of the IEEE, Member of the IEEE Technical Committee for HF, VHF, and UHF Technology MTT-17, Member of the IEEE Signal Generation and Frequency Conversion MTT-22, Member of the Board of Trustees Fraunhofer Gesellschaft (EMFT) for Modular Solid State Technology, Member of the Board of Trustees of the Bavarian Academy of Science, and Honorary Member of the Academy of Science, all in Munich, ETA KAPPA NU Honor Society, Executive Association of the Graduate School of Business-Columbia University, New York, The Armed Forces Communications & Electronics Association, Fellow of the Radio Club of America, former Chairman of the Electrical and Computer Engineering Advisory Board at New Jersey Institute of Technology.

In 2006, Dr. Rohde was honored as Microwave Legend by Microwave & RF Magazine; the selection was based on global voting. In 2009, Dr. Rohde was selected in the list of Divine Innovators of November 2011, Microwave Journal. Based on Dr. Rohde's 5-decade of scientific creativity and pioneer contributions in the field of microwave and antenna, IEEE has established 2 awards in his name "IEEE Ulrich L. Rohde Innovative Conference Paper Awards on Antenna Measurements and Applications" and "IEEE Ulrich L. Rohde Innovative Conference Paper Awards on Computational Techniques in Electromagnetics".

His hobbies are sailing, U.S. Merchant Marine Officer, Master of Steam or Motor Vessels, photography and ham radio (N1UL).