

10 Services, Memberships, Curriculum Vitae

10.1 Services, Memberships

Prof. Walke served

1982 - 1990 as a founder and member of the Steering group of the GI (German Computer Society) Technical Committee 3.2., “Performance of computer and communicatives systems”,

1988 - 1992 as Technical Auditor in the RACE programme (later also as Evaluator),

1993 until now as a founder and programme committee chairman for the ITG-Conference “Mobile Radio Communications”,

1994 - 1996 as a member of Board of the German Information Society (ITG),

1994 - 1998 as a Vice-Dean and Dean of the Faculty of Electrical and Information Engineering, Aachen University of Technology,

1995 - 2000 as consultant for Reg TP, the German national regulator concerning the granting of frequency regulation, and spectrum issues of mobile systems,

1995 - 2001 founder and speaker of the “Fokusprojekt Mobilkommunikation”, a division of ITG,

1996 - 2000 as the speaker of the Systems Definition Group of the German national research programme ATMmobil (Wireless ATM systems for multi-media applications),

1996 as the chairman of the Programme Committee of EPMCC’97, the 2. European Personal and Mobile Radio Communications Conference,

1995 until now as a founder and member of the Steering Committee of the European Personal and Mobile Communications Conference (EPMCC),

1999 until now as a confounder and member of the Steering Committee of the European Wireless Conference (EW)

1999 until now as a member of Advisory Board of Wireless Communications,

2000-2002 as a member of the Think Tank of the IST project Wireless Strategic Initiative,

2001 until now as an elected chair for Working Group 4 “Spectrum Issues, New Air-Interfaces and Ad Hoc Networking” of the *Wireless World Research Forum* (WWRF).

Special Services Prof. Walke

1989 served to the Minister of Post and Telecommunications as a technical evaluator to prepare for the decision for the license of the GSM-based D2 network in Germany.

1992 consulted in Central Screening Group of the Minister of Post and Telecommunications, whom to grant the license for the GSM-based E1 network.

1995 he consulted the Minister of Post and Telecommunications how to license DECT for the Wireless Local Loop.

10.2 Curriculum Vitae

Prof. Dr.-Ing. Bernhard H. Walke (*1940)

Professor Walke received his diploma and doctor’s degree in 1965 and 1975, both from the Department of Electrical and Electronics Engineering, University of Stuttgart, Germany.

From 1965 to 1983, he first served at the TELEFUNKEN Research Institute at Ulm/Germany and later as a department head in the Division for High Frequency Techniques of AEG AG, where he evaluated performance of computer systems and designed computer based data communications and mobile radio networks.

1983 he joined the Department of Electrical and Electronics Engineering at FernUniversity of Hagen as a full professor for Dataprocessing Techniques, where he established a group of about 10 researchers, most of them funded by third parties.

1990 Dr. Walke joined Aachen University of Technology as a full professor for Communication Networks (ComNets).

His research interests are in formal specification, modeling, queueing systems, scheduling, stochastic simulation and prototypical implementation of protocols and services for communication networks. This school and research group of about 30-40 scientists are especially well-known for its contributions to the mobile radio networking and performance evaluation domains.

Prof. Walke's scientific work comprises about 80 scientific papers and eight textbooks, in the fields of modeling and performance evaluation of computer and communication systems. 1975 he earned the ITG-Best Paper Award.