

Curriculum Vitae

Bernhard H. Walke with more than 35 years of activity in the mobile and telecommunications area is very well connected to virtually anybody in industry and academia. For the last 13 years he is running the Chair for Communication Networks at Aachen University (RWTH), Germany, where about 35 researchers on average work under his guidance on topics like air-interface design, formal specification of protocols, fixed network planning, development of tools for stochastic event driven simulation and analytical performance evaluation of services and protocols of XG wireless systems. During that time he has supervised more than 650 Master theses and 43 Ph.D. theses covering practically any aspects of fixed and mobile communication networks. Most of this work continuously has been funded from third parties' grants.

Bernhard Walke has published more than 110 reviewed conference papers, 25 journal papers and seven textbooks on the architecture, traffic performance evaluation and design of future communication systems.

He has been a board member of ITG/VDE and is Senior Member of IEEE. He has served for more than a decade as Programme Committee and Steering Committee Chairman of scientific European conference series like the European Personal Mobile radio Communications Conference (EPMCC) and the European Wireless (EW), conferences that he has co-founded earlier.

Since 1996 he has been scientific coordinator for large German research programmes like Mobile ATM, Multi-Hop and MOBIKOM. Since 1993 his group has participated in more than 15 large research projects funded by the European Commission and has substantially contributed to the specification of standards like ETSI/GPRS, ETSI/BRAN HiperLAN2, CEN TC 278 DSRC, IEEE 802.11e, 802.16 and 802.15.3.

From 2001 -2003 he was an elected Chair of Working Group 4 (New Technologies) of the Wireless World Research Forum. WG4 defines air interfaces for Beyond 3G systems.

Prior to joining academia, Prof. Walke worked in various industry positions for AEG Telefunken (now part of EADS AG). Prof. Walke holds diploma and Dr. degrees in electrical engineering, both from the University of Stuttgart, Germany.

Steering board member e. g. of PIMRC 2005 Berlin (www.PIMRC2005.org).