



FIRST INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATION AND COOPERATION

Speaker's Bio

Dr. Karlheinz Bock

Dr. Karlheinz Bock studied electronics and communication engineering at the University of Saarbrücken, Germany. From October 1986 to September 1987 he has been a scientific assistant at the Institute for Material Science Saarbrücken, Germany where he was involved in Mössbauer spectroscopy on laser treated metal surfaces. From September 1987 to March 1989 he has been employed as a technical consultant. From September 1989 to March 1994 he has been employed at the University of Darmstadt, Germany as research assistant and doctoral student on the subject of high-frequency communication microelectronics technology and reliability. In 1994 he has been promoted the Dr.-Ing. Degree in RF microelectronics. From August 1994 to August 1995 he has been Japan Society for the Promotion of Science Award (JSPS) invited post-doctoral researcher at the Tohoku University, Japan working on the development of strained SiGe CVD layer growth and corresponding RT-diode devices technology and characterization. From September 1995 to March 1996 he again joined the University of Darmstadt, Germany, Institute of high-frequency communications working in RF HT mechatronics. From March 1996 July 1999 he has been employed at IMECvzw in Leuven, Belgium working on deep-submicron CMOS technology, ESD reliability. From 1999 – 2000 he joined the Fraunhofer Management Gesellschaft in Munich, Germany as business director, Information and Communication technologies. Since January 2001-present he is employed at the Institute for Reliability and Microintegration IZM in Munich, Germany as head of the Polytronic Systems Department working on the development of thin and flexible systems and technologies as well as chemical and biological sensors and bio-analytical systems. From Sept. 2003 he serves as deputy director of the Munich branch of the IZM.