

Prof. Dr.-Ing. Joerg Manfred Hoffmann

studied Technical Cybernetics and Automation Technologies with the graduation as Diplom-Ingenieur (Dipl.-Ing.) and after this, he graduated with the Doctoral degree (Dr.-Ing.) in the field of particle measurement. After working at a research Institute as Head of the research groups for X-Ray Fluorescence Analysis and for Nuclear Electronics Development, he changed to industry as Head of Research and Development at a manufacturer of measurement devices for the petrol industry.



In 1993 he was appointed as Full Professor by the Ministry of Science of the county Lower Saxony, Germany, for "Electrical Measurement Engineering, Process- and Analysis Measurement Engineering" in Osnabrueck. From 2001 until 2011 he was speaker of the Institute of Automation Technologies and from 2001 until 2017 he was the head of international relations of the Faculty of Engineering and Computer Science. Since 2002 he has been Head of the Laboratory for Metrology, Measurement and Instrumentation and since 2000 Head of the working group for Measurement and Automation Technologies of the Osnabrueck's section of the German Engineers Association (VDI).

His main field of interests is the development of sensors and sensor systems, especially for the characterisation of particles properties in fluids. From this results more than 90 publications and 12 Patent applications in Germany, Europe and USA. A special interest for him is the international networking in research and teaching. He did guest professorships at the University of Sunderland (UK), the University of Angers (France), the Nanjing Xiaozhuang University (China), the Yuncheng University (China) and the UTHM (Malaysia). During the years 2006 and 2007, on invitation of the rector of the Swiss German University (SGU) in Jakarta (Indonesia), he erected a measurement and instrumentation structure for all faculties of the SGU including the foundation of the corresponding Laboratory.

In 2013 he was appointed as Professor of honours (Prof. h.c.) at the Moscow State University of Mechanical Engineering (MAMI). In 2014 he was appointed as editor of the journal "Metrology and Quality Engineering", published at Cambridge University Press. Also in 2014, he received the medal of honour of the German Engineers Association (VDI). In 2023 he was appointed as President of the European Institution for Air Quality (EUIL e.V.). Key activity is the determination of Air Quality, especially regarding fine dust pollutions.

Since 1996 he has published several books: "Measurement of non-electrical quantities" (1996), "Practice of PC-Measurement" (2003), "Pocketbook of Metrology, Measurement and Instrumentation" (1998 / 7th Edition 2015), the "Handbook of Metrology, Measurement and Instrumentation" (1999 / 4th Edition 2012) and as co-author "Standardisation, Measurement, Certification and Quality assurance in the car industry" (2013).

He has written many scientific expertises, among others for all instances of the patent jurisdiction including the Federal Patent Court.