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From 2012-2014, he was at the Fraunhofer Institute for Microelectronic Circuits and Systems in Duisburg, Germany, where he was Head of Department of Micro- and Nanosystems focussing on fully integrated microsensors and biohybrid systems. He concurrently held the W3 Professorial Chair of Integrated Micro- and Nanosystems at the University of Duisburg-Essen.

From 1999 to 2012 he was a faculty member and Professor of Micro-System-Technology at the University of Southampton, UK. He graduated with a Dipl.-Ing. (Univ.) in electrical and electronics engineering at the Friedrich Alexander Universität Erlangen-Nürnberg in 1993. In 1997, he was awarded a PhD from Coventry University, UK on the development of a MEMS accelerometer. He then spent two years at the Berkeley Sensors and Actuator Centre at the University of California working on integrated MEMS gyroscopes. He has more than 20 years of experience in micro- and nano-fabrication techniques, microsensors and actuators and their interface circuits. He has a broad interest in MEMS and nanotechnology ranging from process development to system integration of MEMS and nano-devices. He has published over 250 peer reviewed journal and conference publications as an author or co-author. He also contributed to four textbooks on MEMS as author and editor. He has served on several steering and technical committees of international conferences such as Transducers, ISSCC, IEEE Sensors, Eurosensors, MNE and MME, as well as being an associate editor for the IEEE Sensors Letter, IEEE JMEMS, MDPI Sensors, and AMA Journal of Sensors and Sensors Systems.