

Biosketch

Dr. Thomas Penzel is an IEEE senior member. He graduated from physics (1986), human biology (1991), and physiology (1995) at the University Marburg, Germany. In 1997 he received a certificate for sleep medicine and a certificate for medical informatics. In 2001 he became Professor at the University of Marburg, Germany. He was with the University of Marburg since 1982 and installed the first sleep lab in a Department for Internal Medicine in Germany. This lab started many medical and technical initiatives (sleep center and physician certification, home sleep testing, cardiopulmonary interactions monitoring) to establish sleep medicine in Germany and Europe. In 2006 he moved to Berlin and joined the interdisciplinary sleep medicine center at the Charité University hospital. There he serves as scientific director of the sleep center and faculty member. In 2001 he received the Bial award for clinical medicine in Portugal, 2008 the Bill Gruen Award for Innovations in Sleep Research by the Sleep Research Society, 2012 the Somnus Award by Sleep apnea patient groups in Germany, and 2014 the distinguished development award by the Chinese sleep research society. He is president of the German Sleep Society (DGSM). He authored more than 400 papers in Pubmed. He is an editorial board member on IEEE T-BME, IEEE TEHM and more journals in biomedical engineering and sleep research. His research focus is on new methods in sleep recording, wearables, and cardiovascular consequences of sleep disorders.