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Prof. Eugenijus Kaniusas, born in 1972, Lithuania, and graduated from the Faculty of Electrical Engineering and Information Technology of the Vienna University of Technology (VUT), in 1997. Dr.techn. study completed in the field of body sounds and habilitated (venia docendi) in the field of bioelectrical engineering, in 2001 and 2006, respectively. Since 1997 he has been with the Institute of Fundamentals and Theory of Electrical Engineering, VUT, since 2007 as associate university professor. Since 2022 he has been with the newly founded Institute of Biomedical Electronics, VUT, as full university professor. He gives numerous mandatory lectures at VUT, concerning Biophysics, Biomedical Sensors and Signals, Biomedical Instrumentation. Currently he is the Dean for academic affairs of Master studies Biomedical Engineering at VUT. He is the head of the research group Biomedical Sensing / Theranostics within the Institute of Biomedical Electronics, VUT. He has authored more than 220 publications and a book series of three single-author volumes by Springer. He is organizer of the very first two International Conference on the auricular vagus nerve stimulation.

Research areas include diagnostic and therapeutic approaches and their closed-loop personalized combination in portable Health Care Engineering. Electric, acoustic, optic, and magnetoelastic sensors for biomedical applications are developed, e.g., for sleep, anaesthesia, and fitness monitoring as well as for apneas detection and heart rate variability monitoring. Electrical Impedance Tomography - enhanced by computer tomography - is developed for a novel individual setting of lung ventilators. Personalized electric auricular vagus nerve stimulation is developed to realise Point-of-Care therapy in pain and arterial disease therapy, and in triggering healing of diabetic chronic wounds. Extensive expertise is available in adaptive, multiparametric, clinically-relevant processing of hybrid biomedical signals in the time, spectral, and space domains, and in wearable hardware/software concepts for diagnostic/therapeutic biomedical devices.