

CURRICULUM VITAE

Prof. Dr.-Ing. Roland Sottek

Adjunct Professor in Psychoacoustics at Chalmers University of Technology and
Manager Research NVH at HEAD acoustics GmbH



HEAD acoustics GmbH
Ebertstraße 30a, 52134 Herzogenrath

Phone: +49 2407577- 61
Cell: +49 1732985670
Fax: +49 2407577- 99
Email: roland.sottek@chalmers.se
roland.sottek@head-acoustics.de

Study and professional experiences

- since 2016 Adjunct Professor in Psychoacoustics at Chalmers University of Technology
- since 2002 Manager of the newly-established HEAD Research NVH department at HEAD acoustics
- 1999 - 2002 Manager of the HEAD Consult NVH department at HEAD acoustics
- since 1997 Lectures of psychoacoustics at RWTH Aachen University per pro.
- 1989 - 2002 Principal scientist at HEAD acoustics
- 1989 - 1993 Doctoral research study titled: "Signal Processing Model of the Human Auditory System" at the RTWH Aachen University, doctor's degree in 1993
- 1987 - 1988 Scientist at the Philips Research Laboratory Aachen
- 1981 - 1987 Study in Electrical Engineering at the RWTH Aachen University (specialization in Communications Engineering), diploma in 1987

Scientific activities

- Author or co-author of numerous papers (see list of publications)
- Supervisor of more than 30 theses (see list of theses)
- Realization of several international and national research projects (see list of research projects)
- Cooperation with different universities with respect to theses, internships, and research projects (RWTH Aachen University, University of Applied Sciences Aachen, University of Applied Sciences Amberg-Weiden, Technical University Berlin, University of Applied Sciences Düsseldorf, Federal University of Santa Catarina Florianopolis, Chalmers University of Technology Gothenburg, University of Applied Sciences Koblenz, Maastricht University, Otto-von-Guericke-University Magdeburg, Carl von Ossietzky University of Oldenburg, University of Applied Sciences Oldenburg, Technical University Munich, University of Applied Sciences Zwickau)
- Collaboration in international (ISO TC 43 WG 1, WG 9, and WG 23 as well as ECMA-74) and national (DIN) standard committees
- Technical expert for the evaluation of research projects related to acoustics (AIF, the German federation of industrial research associations)
- Reviewer for international peer-reviewed journals

Current research work

- Models of human hearing
- Psychoacoustics
- Noise engineering
- Digital signal processing
- Experimental and numerical methods for sound-field calculation
- Other fields of interest:
 - Human hearing equivalent sound-field analysis
 - Auralization of virtual environments
 - NVH analyses

Patents

- Application for patents concerning
 - the design of permanent magnet excited motors
 - and signal analysis techniques

Memberships

- Member of DEGA (collaboration in TC Vehicle Acoustics, TC Psychoacoustics, and TC Virtual Acoustics) and ASA (collaboration in TC Noise and TC Psychological and Physiological Acoustics)

Organization of conferences

- Co-Organizer of Aachen Acoustic Colloquia (annual conference, since 2009)