



The Associated Institute **Audio Information Processing (AIP)** of the Technische Universität München focusses on signal processing for hearing devices, on psychoacoustics and on audio and sound field technologies.

We are looking to fill a key position in our team with an experienced

Research Scientist (Akademischer Rat, Post-Doc)

in full time position to start on 11 November 2013.

MAIN RESPONSIBILITIES:

- Research in one or more of the following areas: psychoacoustics; models of auditory and neuronal processing in the normal and impaired ear; auditory brain-computer interfaces; signal processing for hearing devices, audio technology, and the synthesis of sound fields; sound quality
- Development of novel audio signal processing strategies for hearing devices or for audio technology
- Evaluation with acoustical measurements and listening tests; statistical analysis of experimental results
- Publication in English-language scientific journals and presentations at conferences.
- Participation in the teaching of courses and supervision of students

QUALIFICATIONS:

- Successfully completed doctoral degree (PhD) and research experience in several of the following areas: psychoacoustics, hearing aids, cochlear implants, models of the auditory system, audio technology, acoustics, auditory neuronal processing, techniques for multi-channel sound reproduction
- Very good programming skills in Matlab, Python, or C/C++
- Excellent written and oral communication skills as well as experience with scientific publications
- Flexibility and good interpersonal skills
- Interest in teaching and supervising students, as well as in attracting external funding.

We offer...

you to join a recently founded, dynamic, interdisciplinary team, to work with up-to-date technical equipment and to extend your skills in the latest methods in hearing research. Our close interaction within the Bernstein Centre for Computational Neuroscience Munich (www.bccn-munich.de), the Hearing Research Network Munich (www.imetum.tum.de/hoeren/), and the EuroTech GreenTech Initiative (www.eurotech-universities.org) as well as our extensive cooperation with industry and with local and international scientific partners creates an attractive environment with excellent perspectives for personal development. For further information see www.aip.ei.tum.de.

Depending on the qualification of the candidate we offer the opportunity to build a (junior) research team and help with obtaining external funding. Employment can occur either as a state appointee ("Akademischer Rat, Beamter", step A13) or according to the state employees salary scheme (TV-L/E13) and is limited to a maximum of 6 years. Women are explicitly encouraged to apply. Severely handicapped persons will be favored if they are equally qualified. In principle, the position could also be filled in part time.

Interested?

We are looking forward to answering your questions on the phone (Tel.: +49 89 289 28282) or by email. Please send your application (cover letter stating research interests, CV, list of publications) **preferably by email** no later than **15 August 2013** to:

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