

The **Acoustics Research Institute (ARI)** of the Austrian Academy of Sciences, Austria's leading non-university research facility, is offering a

PHD STUDENT POSITION (F/M)

(part time, 30h/week)

The Acoustics Research Institute (ARI) is an interdisciplinary research institution of the Austrian Academy of Sciences. It undertakes top-level research in psychoacoustics and experimental audiology, acoustic phonetics, musicology and bioacoustics, physical and computational acoustics, and mathematics and signal processing. The close interaction of the working groups allows innovative research approaches through the synergistic effects of multidisciplinary research. ARI employs ~40 academic, technical and administrative staff. The position is assigned for the *Psychoacoustics and experimental Audiology* group in Vienna.

The successful candidate will work within the project *softpinna: Non-rigid pinna registration for the calculation of head-related transfer functions* under the direction of [Piotr Majdak](#). This project aims at the development of new methods for a better acquisition of listener-specific ear shapes of a person. Specifically, the aim is to investigate and improve algorithms, which will be applied on 3D ear geometries calculated from 2D photos of a person's ears. The improvements in the quality of the 3D ear geometries acquisition will allow computer programs to accurately calculate the listener-specific HRTFs, thus enabling the incorporation of listener-specific HRTFs in future headphone systems providing realistic presentation of spatial sounds.

Requirements

- The candidate should be able to show a Diploma, Master's or equivalent degree in an area related to spatial hearing.
- The candidate should have strong interest in systematic scientific work.
- The candidate shall be able to integrate into a multi-disciplinary research team.

We offer a part-time position of 75% (30h/week) which is initially limited to the end of the project on June 30, 2022. An extension is possible depending on a prolongation of the project. Expected starting date is **February 1, 2020**.

The annual gross salary is EUR 30,072.00 (before taxes, 14 payments a year) according to the collective agreement of the Austrian Academy of Sciences.

Applicants are invited to submit a letter of application (describing their suitability for this position and interest in the project), and their curriculum vitae via e-mail to piotr.majdak@oeaw.ac.at, no later than **August 31, 2019**.

The Austrian Academy of Sciences values diversity and is committed to equality of opportunity.