The Acoustic Research Institute (ARI) of the Austrian Academy of Sciences (OeAW), Austria’s leading non-university research and science institution, is offering a

**PhD Student Position (f*m)**

(part-time, 30h per week)

ARI is an interdisciplinary research institution of Austria’s leading non-university research facility. It undertakes top-level research in auditory cognitive neuroscience, 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.

The position is assigned to the EU Horizon 2020 granted project SONICOM, which deals with the way we interact socially within AR/VR environments. It aims to create a new generation of immersive audio technologies, specifically looking at personalisation and customisation of the audio rendering by means of machine-learning techniques. For more information, see the SONICOM website: https://www.sonicom.eu/

ARI’s role within SONICOM is the work on immersion, integration, and the development of the SONICOM ecosystem. The successful candidate will work on immersion by developing a modelling framework integrating models of spatial hearing and active inference. The successful candidate will be supervised by Piotr Majdak (PI).

**Responsibilities:**

- Development and implementation of auditory models.
- Communication of scientific results in scientific publications and at scientific meetings.
- No teaching duties.

**Requirements and qualifications:**

- Master’s degree (or equivalent) with excellent scores in a discipline related to research in hearing.
- Profound knowledge of written and oral English.
- Excellent programming skills in Matlab.
- Strong interest in systematic scientific work and integration into a multi-disciplinary research team.

The position is initially limited to three years. The starting date is flexible and will depend on the candidate’s availability. The successful candidate will have the option to be enrolled in the PhD program of the University of Music and Performing Arts, Graz.

We offer an annual gross salary of € 31,326,42 according to the collective agreement of the Austrian Academy of Science (OeAW). The starting date is flexible and will depend on the candidate’s availability.

Please send your applications including a CV, copies of relevant certificates, and a brief statement describing motivation, personal qualification, and research interests via e-mail to Piotr Majdak piotr.majdak@oeaw.ac.at (mentioning Job ID: ISF090DOC221) no later than August 31, 2021. Applications will be accepted until an adequate candidate has been found. The first round of evaluation will start in the September 2021.

*The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. The OeAW lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.*