

Job ID: ISF018PD224

The Acoustics Research Institute ([ARI](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research facility, undertakes top-level research in auditory cognitive neuroscience, psychoacoustics and experimental audiology, phonetics, bioacoustics, physical and computational acoustics, mathematics and signal processing as well as machine learning in acoustics. The close interaction of the working groups allows innovative research approaches through the synergistic effects of multidisciplinary research. The ARI employs ~50 academic, technical and administrative staff. The institute is offering a

POSTDOC POSITION (F/M/X)

(part-time, 12h per week)

The position is assigned to an FWF-funded project "Sound As Score" coordinated by Elisabeth Schimana (MDW), with the ARI-based co-principal investigator Piotr Majdak. The project goal is to better understand how sound scores are perceived and interpreted by a musician. The focus of this position is to perform psychoacoustic analyses in order to help the composers to better understand the requirements of timing, pitch, and spectral features of sound.

Responsibilities:

- Transfer of knowledge from the psychoacoustic research to artistic research.
- Implementation and performance of psychoacoustic analyses of the live-generated score.
- Implementation of auditory models supporting the psychoacoustic analyses of music.
- Assistance in the development of compositions based on a live-generated audio score.
- Communication of scientific results in scientific publications and at scientific meetings.
- No teaching duties.

Requirements and qualifications:

- PhD degree (or equivalent) in audio engineering, auditory research, or a related field
- Experience in auditory modelling and psychoacoustic analyses
- Profound knowledge of written and oral English.

The position is limited to 30 months. The starting date is June 01st, 2024. We offer an annual gross salary of € 19.950,42 according to the collective agreement of the Austrian Academy of Sciences.

Candidates should send a CV, copies of relevant certificates, and a brief statement describing motivation, personal qualification, and research interests by e-mail to Piotr Majdak (piotr.majdak@oeaw.ac.at), **no later than April 01st, 2024**. He can also be contacted for informal inquiries and questions.

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.