

**PhD-position @ MUV, Austria: Speech signal processing for voice quality characterisation**

The Medical University of Vienna (MUV), Austria, seeks to fill a position of a PhD-student within the project “Objective differentiation of dysphonic voice quality types”. The candidate must hold a master’s degree, preferably in (one of) the fields of sound engineering, acoustical engineering, audio signal processing, or similar. The work will be conducted at the Division of Phoniatics-Logopedics within the Department of Otorhinolaryngology of the MUV.

The workgroup hosting the project is interested in the assessment of voice parameters relevant to the medical diagnosis and clinical care of voice disorders. High-speed videos of the vocal folds are recorded and analysed in parallel with microphone signals. Mandatory skills of the candidate are MATLAB programming, speech signal processing, psychoacoustics, good knowledge of English, good communication skills, and excellent analytical thinking. Optional skills of the candidate are knowledge of German, experience in a health care profession, image and video processing, Python, PureData, object-oriented programming, software engineering, version control (Subversion, Git, or similar), SQL, and XML.

The project duration is 4-5 years. The Austrian Science Fund (FWF) budgets for doctoral candidates a gross salary of 2.112,40 Euro per month. Application documents can be submitted to [philipp.aichinger@meduniwien.ac.at](mailto:philipp.aichinger@meduniwien.ac.at) by November 12, 2018.