

FORM FOR EMPLOYERS

INSTITUTION: **AGH University of Science and Technology**

DEPARTMENT: **Institute of Electronics, Faculty of Computer Science, Electronics and Telecommunications**

CITY: **Kraków**

POSITION: Adjunct – scientific researcher (Postdoctoral Researcher) in a group of scientific researchers

DISCIPLINE: automatics, electronics and electrical engineering

POSTED: October 27th, 2022

EXPIRES: November 28th, 2022

WEBSITE: www.ke.agh.edu.pl

KEY WORDS: processing of speech signals, speech signal enhancement, machine learning

DESCRIPTION (field, expectations, comments, requirements):

The candidate should be highly motivated to perform the scientific research in the field of speech and audio signal processing. Experience in speech signal enhancement algorithms is expected. Detailed requirements are as follows:

- Ph.D. in computer science, electronics, telecommunication, audio, acoustics,
- documented scientific and research achievements in the field of speech signal processing and machine learning; knowledge of the issues of improving the quality of speech signals from signals coming from many microphones will be an asset,
- at least 5 publications at key speech signal processing conferences such as INTERSPEECH, IEEE ICASSP, and EUSIPCO, as well as at least 1 scientific article published in one of signal processing journals,
- knowledge of stochastic audio and speech signal processing as well as machine learning techniques, an additional asset will be the knowledge of improving the quality of speech signals and algorithms for voice communication,
- experience in the development and implementation of speech signal processing algorithms (Python, C/C++),
- experience in scientific work gained in research projects (NCN, FNP, NCBiR, POIR or international projects),
- good team working skills,
- English skills at the excellent level (at least B2),
- perfect ethical image.

Employment ranging from 0,75 to full-time job, depending on the candidate's availability, until the end of the FNP First TEAM project entitled "Audio Processing using Distributed Acoustic Sensors" i.e. until the end of February 2023.

Research

activities:

- working in a research team developing speech and audio algorithms. The aim of the research is to develop techniques for processing of audio signals from distributed microphones for voice communication.
- the successful candidate will develop, implement and evaluate speech enhancement algorithms for speech communication using distributed microphones, as well as co-supervise less experienced research stuff.

DOCUMENTS REQUIRED

intention letter, CV, publication record, English certificate of at least B2 level, PhD certificate or document confirming obtaining the PhD degree.

DOCUMENTS MUST BE SUBMITTED at the office of:

Institute of Electronics, AGH University of Science and Technology, Al. Mickiewicza 30, 30-059 Kraków, POLAND (C-3 building, the 4th floor, room no. 416), katel@agh.edu.pl

The AGH University will be the candidate's main place of employment.

The AGH University of Science and Technology does not require you to provide any information or data other than those resulting from the applicable law (name/names, surname, date of birth, contact details, education, professional qualifications and employment history). However, if you choose to include your photograph or any other information, please fill in and attach this statement of consent to the processing of personal data, which constitutes an attachment to this information.

The controller of your personal data processed in order to carry out the recruitment process for the above-mentioned position is the Stanisław Staszic AGH University of Science and Technology in Krakow, al. A. Mickiewicza 30, 30-059 Krakow. You can read the full information concerning the processing of your personal data on the AGH University of Science and Technology's website after going to the "Protection of personal data" tab at (www.agh.edu.pl/RODO).

The University reserves the right not to settle the competition without providing any reason or justification. Winning the competition is not tantamount to ensuring the candidate's employment. The result of the competition serves solely as a recommendation to the Rector in this regard. The final decision concerning the employment will be made by the Rector.

Cracow, date.....

.....
name and last name
.....
address

CONSENT TO PERSONAL DATA PROCESSING

(recruitment - employee)

By virtue of Article 7 of the Regulation of the European Parliament and Council (EU) 2016/679 of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC, hereinafter referred to as "GDPR", I hereby give my consent to the processing of my personal data other than the data mentioned in Article 22¹ § 1 of the Labour Code and contained in my CV and other application documents, and to the reproduction of my physical likeness for the purposes of recruitment and selection for the position of

Additionally, I hereby represent that the request for consent has been presented in an explicit and clear form and that I have been informed about a possibility of withdrawing my consent at any time as well as about consent accountability. I have also been informed about the fact that the data are collected by **AGH University of Science and Technology, al. A. Mickiewicza 30, 30-059 Krakow**, the purpose of their collection, freedom of their disclosure, and the right to access and rectify the data.

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Date and signature of the candidate