

## FORM FOR EMPLOYERS

INSTITUTION: AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY

DEPARTMENT: FACULTY OF PHYSICS AND APPLIED COMPUTER SCIENCE

CITY: KRAKÓW

POSITION: RESEARCH AND TEACHING ASSISTANT

DISCIPLINE: PHYSICS

EXPIRES: **29-07-2022**

WEBSITE: <http://www.uci.agh.edu.pl/konkursy/>

KEY WORDS: RESEARCH ASSISTANT, PHYSICS

DESCRIPTION (field, expectations, comments, requirements):

The Faculty of Physics and Applied Computer Science at AGH University of Science and Technology in Krakow, Poland has an opening for a research and teaching assistant position in the Department of Condensed Matter Physics. The selected candidate is expected to join a project focused on investigation of properties of superconductors with help of *ab initio* methods. The goal is to find and explain the superconducting properties of chosen materials as well as to develop new methods of analysis and visualizations. The project is realized in collaboration with group of experimentalists, thus the experience in analysis of experimental data will be an advantage. The goals of the current 1-year stage are to calculate the electron-phonon and superconducting properties of chosen materials, compare them to experimental data and find out what is the key factor of their superconductivity, as well as to write the program which visualizes the anisotropy of electron-phonon parameter. In addition, the assistant will conduct classes including, inter alia, computer laboratories for the subject of "ab initio methods in solid state physics", therefore it is necessary to have a working knowledge of the calculation codes used in this course (required knowledge of the following calculation codes, confirmed by publications: Quantum Espresso, Wien2k, and eDMFT).

### Requirements:

- has at least a MSc degree or equivalent, obtained in the field of "technical physics" or similar,
- participation in the PHD program and open doctoral thesis or a doctoral student at a doctoral school after a positive mid-term evaluation and completed modules preparing for work as an academic teacher provided for in the doctoral school education program or has initiated proceedings to award a doctoral degree,
- has scientific achievements in the field of computation of the electronic structure and electron-phonon interactions of solids, confirmed by publications and talks at national and international scientific conferences,
- can program in Python and visualize data in 3D
- has experience in teaching
- has substantive preparation and is ready to conduct classes in the form of computer laboratories in the field of calculating the electronic and phonon structure of solids (classes conducted in Polish, required knowledge of the following calculation codes, confirmed by publications: Quantum Espresso, Wien2k, and eDMFT),
- knows English at a level of at least B-2
- proven knowledge of the Polish language at the C1 level, if it is not the mother tongue

### DOCUMENTS REQUIRED

When submitting the application the following documents must be provided:

1. Application and CV with a personal questionnaire,
2. 1 recommendation letter,
3. certificate of minimum B-2 language skills,
4. copy of diplomas or other certificates confirming the qualifications held.

The candidate must fulfil the following requirements defined in the Polish Law on Higher Education:

- possesses qualifications defined in the Law,
- has full legal capacity,
- has not been punished by final court judgement for intentional offence,
- enjoys full public rights.

DOCUMENTS MUST BE SUBMITTED AT:

Please send the application to the Faculty of Physics And Applied Computer Science AGH, Poland, Kraków, ul. Reymonta 19. III p. room 327 or via email sekretariat@fis.agh.edu.pl till **29-07-2022**

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](http://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 22<sup>1</sup> § 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.

.....

*Date and signature of the candidate*