

## FORM FOR EMPLOYERS

**INSTITUTION:** AGH University of Krakow

**DEPARTMENT:** Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering

**CITY:** Krakow

**POSITION:** Research and teaching assistant in a group of research and teaching workers

**DISCIPLINE:** automation, electronic, electrical engineering and space technologies

**POSTED:** 20.01.2025

**EXPIRES:** 26.02.2025

**WEBSITE:** <https://www.agh.edu.pl/o-agh/praca-w-agh>

**KEY WORDS:** automation and robotics, computer vision, embedded platforms, reconfigurable logic, artificial intelligence

**DESCRIPTION** (field, expectations, comments, requirements):

The candidate should meet the conditions set forth in the Law of July 20, 2018. - Law on Higher Education and Science (i.e., Journal of Laws of 2024, item 1571 hereinafter the Law). Working conditions and salary according to the applicable Law.

### REQUIREMENTS:

1. Master's degree (or equivalent) obtained in Automation and Robotics or related field, in the discipline of automation, electronics, electrical engineering and space technology,
2. Predisposition to scientific work documented by scientific publications or activity in the student scientific movement, covering topics:
  - design and implementation of image processing and analysis systems,
  - perception and control of autonomous mobile robots implemented for hardware computing platforms and vision sensors,
  - use of artificial intelligence in vision algorithms and their acceleration in embedded systems,
  - hardware implementation of algorithms for FPGA reconfigurable platforms,
  - hardware acceleration of algorithms for heterogeneous SoC FPGAs,
  - Dynamic Vision Sensors (DVS) data processing.
3. An aptitude for teaching, experience in teaching in the field of image processing, event cameras, embedded systems or artificial intelligence and completion of a teaching development course.
4. Knowledge of English at the level of at least B-2,
5. Knowledge of the Polish language to the extent that it allows:
  - communicating with members of the research teams,
  - presentation of progress at symposia, meetings and scientific conferences,
  - to prepare teaching materials (instructions, scripts),
  - to conduct teaching activities (laboratories, lectures),
  - candidates who are not Polish citizens should attach a certificate of knowledge of the Polish language at the level of at least C-1.
6. Authorship or co-authorship of at least one article in an Impact Factor journal or international conference.
7. Presenting at least one paper at a scientific conference.
8. Experience in writing and obtaining research grants.
9. Knowledge of programming languages: Python, C, C++, Verilog/SystemVerilog.
10. Knowledge of libraries and development tools: OpenCV, PyTorch, Vivado, Vitis.
11. Experience working with FPGA reconfigurable logic (including logic design and implementation, simulation and testing, knowledge of hardware description language and AMD/Xilinx platforms and Vivado software).
12. Completion of specialised courses on the subject of writing and publishing scientific papers.

A person may become a candidate if they meet the following requirements set forth in the Law on Higher Education:

1. has the qualifications specified in the Law,
2. has full legal capacity,
3. has not been punished by a final court judgment for an intentional crime,
4. enjoys full public rights.

**DOCUMENTS REQUIRED:**

1. application, CV, personal questionnaire,
2. proof of B-2 level of language proficiency,
3. a document certifying a degree of Master of Science (Automatic Control and Robotics) in the automation, electronic, electrical engineering and space technologies discipline,
4. copies of diplomas and other documents confirming qualifications,
5. an opinion confirming science and teaching predispositions
6. candidates who are not Polish citizens - a document confirming the knowledge of the Polish language at the minimum level C-1
7. details of scientific achievements (list of publications, conference proceedings, grants received).
8. valid document from the National Criminal Register stating that the person has not been convicted of crimes against life and health, crimes against sexual freedom and decency, human trafficking, abuse and crimes against counteracting drug addiction (Journal of Laws of 2023, item 1939) or prohibited acts corresponding to these crimes specified in the provisions of foreign law.

**DOCUMENTS MUST BE SUBMITTED:**

Complete documentation must be sent to the following email address [kair@agh.edu.pl](mailto:kair@agh.edu.pl) or at AGH University of Krakow, Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering, 30-059 Cracow, Al. Mickiewicza 30, building B-1, office 310. Poland

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

*The AGH University of Krakow 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 AGH University of Krakow, al. A. Mickiewicza 30, 30-059 Krakow. You can read all information concerning the processing of your personal data on the website of the AGH University of Krakow after going to the "Personal data protection" tab (<https://www.agh.edu.pl/en/personal-data-protection>).*

*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.*

*Following the selection process, the candidate who qualified for employment is obliged to provide a certificate from the National Criminal Register (the criminal record certificate should be up-to date, i.e. issued no sooner than 1 month before its submission at the AGH University) and shall be subject to the verification process in the Sex Offender register – the Restricted Access Register.*

Cracow, date.....

.....  
*name and last name*

**CONSENT TO PERSONAL DATA PROCESSING**

(recruitment - employee)

Pursuant to Art. 6 section 1 letter a Regulation (EU) No. 2016/679 of the European Parliament and of the Council 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 (General Regulation on the protection data), [Journal EU Laws. L. 2016.119.1 of May 4, 2016] hereinafter referred to as GDPR, I consent to the processing of my personal data other than those indicated in Art. 221 § 1 of the Labor Code, and contained in my CV and other application documents, including the processing of my image in order to conduct the recruitment procedure for the position of ..... (competition announcement no.....).

At the same time, I declare that the request for consent was presented to me in a clear and understandable form and I was informed about the possibility of withdrawing consent at any time, as well as about the possibility of its accountability. Withdrawal of consent to processing will not affect the lawfulness of processing based on consent before its withdrawal. Consent may be withdrawn by submitting a written declaration of withdrawal of consent to the place indicated in the competition announcement as appropriate for submitting documents.

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*Date and signature*