

FORM FOR EMPLOYERS

INSTITUTION: AGH University of Krakow

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

CITY: Krakow

POSITION: assistant in a group of research and teaching workers

DISCIPLINE: automation, electronic, electrical engineering and space technologies

POSTED: 03.11.2025

EXPIRES: 03.12.2025

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

KEY WORDS: automation and robotics, deep neural networks, event cameras, computer vision, embedded platforms, reconfigurable logic

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 and teaching documented by scientific publications or activity in the student scientific movement, covering topics:
 - a. design and implementation of systems for visual data processing and analysis,
 - b. knowledge and skills in designing advanced neural networks (including Vision Transformers, Graph Convolutional Networks, and Spiking Neural Networks),
 - c. hardware implementation of algorithms for reconfigurable FPGA platforms,
 - d. processing of data from event-based sensors (Dynamic Vision Sensors – DVS),
- 3) knowledge of English at the level of at least B-2,
- 4) knowledge of the Polish language to the extent that it allows:
 - a. communicating with members of the research teams,
 - b. presentation of progress at symposia, meetings and scientific conferences,
 - c. to prepare teaching materials (instructions, scripts),
 - d. to conduct teaching activities (laboratories, lectures),
 - e. candidates who are not Polish citizens should attach a certificate of knowledge of the Polish language at the level of at least C-1,
- 5) authorship or co-authorship of at least one article in a journal with an Impact Factor or at an international conference,
- 6) presenting at least one paper at a scientific conference,
- 7) experience in writing and obtaining research grants,
- 8) knowledge of programming languages: Python, C, C++, Verilog/SystemVerilog,
- 9) knowledge of programming libraries and tools: NumPy, Matplotlib, OpenCV, PyTorch, TensorFlow, Vivado, Vitis,
- 10) experience working with embedded systems: Jetson series, FPGA/SoC FPGA.

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 at least B-2 level of English 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).

DOCUMENTS MUST BE SUBMITTED:

Complete documentation must be sent to the following email address 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.

The AGH University of Krakow has a procedure for reporting legal violations and taking follow-up action.

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