

## FORM FOR EMPLOYERS

**INSTITUTION:** AGH University of Krakow

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

**CITY:** Krakow

**POSITION:** Assistant Professor in a group of research workers

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

**POSTED:** 14.07.2025

**EXPIRES:** 14.08.2025

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

**KEY WORDS:** automatic control, mobile robotics, mathematical modeling, stochastic analysis, multi-agent systems, artificial intelligence, optimization.

**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.

Employment under the IDUB Action D11: Funding short-term visits of researchers from abroad as well as grants for long-term stays of foreign researchers at AGH - Employment of foreign researchers in PostDoc positions, 1st edition.

### REQUIREMENTS:

- 1) a doctoral degree (or equivalent) obtained in the field of Automation and Robotics or a related discipline, within the area of automation, electronics, electrical engineering, or space technologies, earned no more than seven years prior to the announcement date of the competition,
- 2) documented scientific achievements in the field of autonomous systems control, confirmed by publications in journals ranked in the top decile according to the Scopus database,
- 3) documented implementation achievements supported by patent applications, utility model filings, or involvement in the commercialization of research results,
- 4) experience in managing research projects, including at least one national or international project,
- 5) experience in delivering public presentations at international scientific conferences,
- 6) proficiency in English at a minimum B2 level (preferably fluent), enabling preparation of scientific publications and collaboration with international research teams,
- 7) completion of at least one internship at a foreign research institution, confirming experience in an international research environment,
- 8) knowledge of topics related to the architecture, operation, and training of artificial neural networks, including their implementation and optimization in autonomous systems,
- 9) knowledge of advanced optimization techniques, such as heuristic, metaheuristic, and evolutionary algorithms, applied in control system design,
- 10) proficiency in statistical and stochastic analysis, enabling the modeling and prediction of autonomous system behaviors in dynamic environmental conditions,
- 11) familiarity with mobile robotics systems, including sensor technologies, localization methods, and mapping techniques,
- 12) ability to create advanced mathematical models for physical processes and conduct computer simulations to test algorithms and predict system behaviors,
- 13) proficiency in programming languages such as C, C++, Python, and Matlab,
- 14) knowledge of data processing and analysis techniques for measurement systems, including filtering, spectral analysis, and data fusion from multiple measurement sources,

15) possession of citizenship other than Polish.

**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 form, CV, and personal questionnaire,
- 2) document confirming English language proficiency at a minimum B2 level,
- 3) document confirming the attainment of a doctoral degree in technical sciences in the field of Automation and Robotics or a related discipline,
- 4) certified copies of diplomas in Polish or translated into Polish, as well as other certificates confirming qualifications,
- 5) a recommendation confirming the candidate's aptitude for scientific work,
- 6) information about scientific achievements (list of publications, conference presentations, research studies, patents).

**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.*

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*