

FORM FOR EMPLOYERS

INSTITUTION: AGH University of Krakow

DEPARTMENT: Faculty of Physic and Applied Computer Science

CITY: Krakow

POSITION: Assistant Professor in a group of research staff (POST-DOC)

DISCIPLINE: physical sciences

EXPIRES: 26.09.2025

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

KEY WORDS: Assistant Professor (Post-doc), silicon tracking detectors, TCT, LGAD and 3D sensors

DESCRIPTION (field, expectations, comments, requirements):

We invite applications for a postdoctoral position in experimental elementary particle physics at the Department of Particle Interactions and Detection within the NCN Opus project. The selected candidate will work on the development of innovative detection systems designed for track reconstruction in the upgraded LHCb experiment operating at the HL-LHC accelerator. The main objective of the project is to contribute to research on new silicon sensor structures that exhibit significant resistance to radiation damage induced by fast hadrons and are capable of 4D measurements (reconstructing the position of the interacting particle along with precise time measurement).

12-month full time contract starts on December 1st, 2025 with possibility of adjustment and extension for next 24 months.

REQUIREMENTS:

- 1) PhD in physical sciences or in Information Technology or in a related discipline,
- 2) experience in experiments high energy particle physics or nuclear physics,
- 3) very good knowledge of c++ and Python programming languages,
- 4) proficiency with data analysis framework ROOT/PyROOT,
- 5) knowledge of English at least at B-2 level,
- 6) A doctoral degree obtained no earlier than 1 January 2018 outside the AGH University of Krakow or at the AGH provided that a continuous and documented 10-month foreign postdoctoral fellowship is completed,
- 7) scientific and organizational achievements and active participation in conferences and symposia,
- 8) experience in operating and maintaining silicon tracking systems and good knowledge of semiconductor physics will be an asset.

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, cover letter, personal questionnaire,
- 2) two letters of recommendation,
- 3) a document confirming knowledge of English at the least at the level B-2 (not required for candidates for whom English is the first language),
- 4) copies of diplomas with certified translation into Polish,
- 5) copies of certificates confirming qualifications,
- 6) list of scientific and organizational achievements.

DOCUMENTS MUST BE SUBMITTED:

Complete documentation must be sent to the following email address: sekretariat@fis.agh.edu.pl or sent to the address: Faculty of Physics and Applied Computer Science AGH, Poland, 30-059 Kraków, ul. Reymonta 19, building D-10, III floor, room 327 till 26.09.2025.

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, on

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name and surname

CONSENT TO PERSONAL DATA PROCESSING
(recruitment - employee)

Pursuant to Article 6(1)(a) of the Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27, 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 Data Protection Regulation), [OJ EU. L. 2016.119.1, May 4, 2016] hereinafter referred to as "GDPR", **I 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** (contest notice no.).

In addition, I declare that the request for consent has been presented in a clear and understandable manner and that I have been informed about a possibility of withdrawing my consent at any time as well as about consent accountability. The withdrawal of consent to have personal data processed shall not affect the legality of the processing, which is carried out on the basis of such consent prior to its withdrawal; The consent may be withdrawn by submitting a written representation on consent withdrawal at a place that was indicated in the contest notice as the place for submitting documents.

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Date and signature