

## FORM FOR EMPLOYERS

**INSTITUTION:** AGH University of Krakow

**DEPARTMENT:** Faculty of Energy and Fuels

**CITY:** Krakow

**POSITION:** assistant professor in a group of research and didactic workers

**DISCIPLINE:** Environmental Engineering, Mining and Energy

**EXPIRES:** 08.12.2023

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

**KEY WORDS:** energy, renewable energy, sustainable development, energy systems modeling, energy systems optimization

**DESCRIPTION** (fields, expectations, comments):

The scope of the research work and didactic activity of the candidate covers a wide spectrum of aspects related to sustainable energy development. These aspects include: utilization of renewable energy in the energy production and storage systems, waste heat recovery for improving the effectiveness of the existing energy systems, development of the cogeneration/trigeneration units (ORC power systems, Diesel engines), and modeling/design/optimization of such systems. The candidate should hold a PhD in the scientific field of Engineering and Technology. Within the scope of the scientific discipline of Environmental Engineering, Mining and Energy, the candidate should demonstrate a broad knowledge and have documented scientific achievements. The candidate should also be experienced in conducting independent scientific research, publishing in journals of high international reputation, as well as in teaching students. In addition, the candidate should be fluent in English, at the level providing publishing her/his research. The proficiency in programming in MATLAB or similar environment is also well-appreciated. It is also required that the candidate will demonstrate the will for the further development and will be able to solve any problems encountered.

The competition is related to research in the area of:

1. utilizing renewable energy in innovative technologies and systems (micro power plants, distributed systems, cogeneration/trigeneration),
2. effectiveness improvement of the existing energy systems (the use of waste energy in the production of heat, cooling and electricity),
3. modeling, design and optimization (single and multi-objective) of the aforementioned systems and their components (using MATLAB or similar environment),
4. design and simulation of the fluid-flow machines, including steam turbines and ORC turbines (using, among others, CFD packages),
5. all other subjects related to sustainable energy development.

### REQUIREMENTS:

1. holding a PhD in the scientific field of Engineering and Technology, in the scientific discipline of Environmental Engineering, Mining and Energy,
2. documented scientific achievements (list of publications, papers published in journals with high impact factor IF will be well-perceived) within the scope of the already-mentioned scientific discipline and the issues related to sustainable energy development,
3. experience in didactics and research work, especially within the scope of the sustainable energy development,
4. experience in programming in MATLAB or similar environment,
5. proficiency in modeling, design, simulation and optimization of the energy systems,
6. ability to conduct multi-criteria and decision-making analyses in designing sustainable energy systems,
7. knowledge on designing and simulation of the fluid-flow machines (ORC turbines etc.),
8. organization achievements,
9. active participation in the scientific conferences,
10. predisposition for the academic work,
11. the English knowledge at level B-2.

### DOCUMENTS REQUIRED:

1. a document confirming the possession of a doctorate in the scientific field of Engineering and Technology,
2. a document confirming the knowledge of the English language at the level of at least B-2,
3. application,
4. CV,
5. personal questionnaire,
6. a copy of diplomas and other certificates confirming the qualifications held,
7. information on scientific activities,
8. information on didactic and organization activity,
9. list of publications.

**DOCUMENTS MUST BE SUBMITTED AT:**

The documents should be submitted in electronic form- to the following address [wpebiuro@agh.edu.pl](mailto:wpebiuro@agh.edu.pl) or to the Secretariat of the Office of the Dean of the Faculty of Energy and Fuels, AGH, Al. Mickiewicza 30, 30-059 Krakow, building D-4, 1st floor, room 119, phone: 12 617 20 66.

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 the full information concerning the processing of your personal data on the AGH University of Krakow website after going to the "Protection of personal data" tab at ([www.agh.edu.pl/ochrona-danych-osobowych](http://www.agh.edu.pl/ochrona-danych-osobowych)).*

*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 Rec*

Cracow, on .....

.....  
*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 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 .....** (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