

FORM FOR EMPLOYERS

INSTITUTION: AGH University of Krakow

DEPARTMENT: Energy and Fuels, Department of Hydrogen Energy Development

CITY: Krakow

POSITION: Assistant in a group of research and teaching staff

ACADMIEC DISCIPLINE: environmental engineering, mining and energy

ANNOUNCEMENT DATE: 3.10.2024

DEADLINE FOR SUBMISSION: 04.11.2024

LINK TO THE WEBSITE: www.agh.edu.pl/o-agh/praca-w-agh

KEYWORDS: fuel cells, high-temperature electrolyzers, materials for energy, energy

DESCRIPTION (subject, expectations, comments, requirements)

The competition is related to the implementation of research tasks in the following areas:

- Design and research of electrode and electrolyte materials for SOFC-type fuel cells
- Design and research of electrode and electrolyte materials for SOEC-type high-temperature electrolyzers
- Construction and testing of the electrochemical properties of laboratory SOFC/SOEC cells
- Research on the co-electrolysis process of H₂O and CO₂
- Research on catalytic materials

The candidate should hold a PhD in the discipline of Environmental Engineering, Mining and Energy, Materials Engineering, or a related field. The candidate should have an aptitude for scientific and teaching work and proven active participation in the student scientific movement or documented scientific achievements resulting from higher education, doctoral school studies, doctoral studies, or professional work, subject to the limitations of Article 209(10) of the Higher Education Law. The candidate should have documented knowledge of SOFC fuel cells and SOEC electrolyzers, particularly in the design and study of electrode materials, the ability to prepare oxide materials using high-temperature techniques and wet chemistry, and familiarity with research techniques such as XRD, TG, Raman spectroscopy, EIS with DRT analysis, iodometric titration, and documented participation in scientific conferences. Documented knowledge of English, at least at the B-2 level according to the Common European Framework of Reference for Languages of the Council of Europe, is required.

Requirements:

- PhD in the discipline of Environmental Engineering, Mining and Energy, Materials Engineering, or a related field,
- aptitude for scientific and teaching work,
- proven active participation in the student scientific movement or documented scientific achievements resulting from higher education, doctoral school studies, doctoral studies, or professional work subject to the limitations of Article 209(10) of the Higher Education Law,
- documented knowledge of English, at least at the B-2 level, according to the Common European Framework of Reference for Languages of the Council of Europe,
- documented knowledge of SOFC fuel cells and SOEC electrolyzers, particularly in the design and study of electrode materials,
- ability to prepare oxide materials using high-temperature techniques and wet chemistry,
- knowledge of research techniques such as XRD, TG, Raman spectroscopy, EIS with DRT analysis, and iodometric titration,
- documented participation in scientific conferences,

- impeccable ethical conduct (in accordance with <https://www.agh.edu.pl/o-agh/dokumenty/inne/kodeks-etyczny-agh>).

The candidate must fulfil the following requirements defined in the Polish Law on Higher Education:

- possesses qualifications defined in the Law,
- has full legal capacity,
- has not been punished by final court judgement for intentional offence,
- enjoys full public rights.

REQUIRED DOCUMENTS:

1. an application, a resume, a personal questionnaire,
2. copies of diplomas and other certificates confirming qualifications,
3. proof of knowledge of the English language at least B-2,
4. information about academic achievements or active participation in the student research group and teaching activities.

PLACE OF APPLICATION:

The documents should be submitted electronically to the following address: konkursy-weip@agh.edu.pl, with a note KEW_Assistant, or to the Secretariat of the Office of the Dean of the AGH Faculty of Energy and Fuels, al. Mickiewicza 30, 30-059 Kraków, Poland paw. D-4, I p., pok. 119, tel. 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 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.

Krakow, 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