FORM FOR EMPLOYERS

INSTITUTION: AGH University of Science and Technology

DEPARTMENT: Faculty of Energy and Fuels

CITY: Krakow

POSITION: assistant professor (materials science) in a group of academic workers

DISCIPLINE: materials engineering

POSTED:

EXPIRES: 03 September 2021

WEBSITE: www.agh.edu.pl

KEY WORDS: materials engineering, high-temperature fuel cells and electrolysers, electrode materials, electrocatalytic properties, energy,

DESCRIPTION (field, expectations, comments, requirements):

The competition is related to research in the area of:

- new electrode materials for high-temperature fuel cells and electrolysers,
- physicochemical properties of oxide materials,
- SOFC/SOEC technology,
- preparation of publications of results in journals and their presentation at international conferences.

The candidate should have a doctoral degree in engineering and technical, technical or physical sciences. He/she should have the scientific achievements in the field of the characteristics of the physicochemical properties of materials, documented in the form of publications in journals from the JCR database. The candidate should have knowledge in the field of physical chemistry and electrochemistry of solids as well as basic knowledge in the field of quantum-mechanical methods. Also, required is knowledge and experience in the field of syntheses of oxide materials and research techniques XRD, SEM, TG, EIS, measurements of electrical conductivity and other transport properties, measurements of electrocatalytic properties. Additionally, the candidate should have a good command of the English language to be able to publish in that language. A willingness to further scientific development and the ability to solve any problems are also required.

Requirements:

- a doctoral degree in engineering and technical, technical or physical sciences, in the discipline of materials or environmental engineering, mining and energy or physics or related;
- documented scientific achievements (publications in journals from the JCR database) in the field of the characteristics of the physicochemical properties of materials, in particular in the field related to the SOFC high-temperature fuel cell technology;
- experience in the field of syntheses of oxide materials;
- knowledge of XRD, SEM, TG, EIS research techniques;
- knowledge of research techniques related to the determination of transport properties of oxide materials;
- basic knowledge of DFT and MD calculations;

- knowledge of research topics related to electrocatalytic properties of electrode layers and electrochemical properties of SOFC cells;
- knowledge of the English language at the level of at least B-2;
- active participation in conferences and symposia;
- willingness to learn and develop.

DOCUMENTS REQUIRED:

- a document confirming the possession of a doctorate in engineering and technical, technical or physical sciences,
- application,
- CV,
- personal questionnaire,
- a copy of diplomas and other certificates confirming the qualifications held,
- information on scientific activities.

DOCUMENTS MUST BE SUBMITTED AT:

The documents should be submitted in electronic form to the following address 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/~~will be not~~ the candidate's main place of employment.

The AGH University of Science and Technology 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 Stanisław Staszic AGH University of Science and Technology in 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 Science and Technology's website after going to the "Protection of personal data" tab at (www.agh.edu.pl/RODO).

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, date.....

.....
name and last name
.....
address

CONSENT TO PERSONAL DATA PROCESSING

(recruitment - employee)

By virtue of Article 7 of the Regulation of the European Parliament and Council (EU) 2016/679 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, hereinafter referred to as "GDPR", I hereby give my consent to the processing of my personal data other than the data mentioned in Article 22^1 § 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 ……

Additionally, I hereby represent that the request for consent has been presented in an explicit and clear form and that I have been informed about a possibility of withdrawing my consent at any time as well as about consent accountability. I have also been informed about the fact that the data are collected by **AGH University of Science and Technology**, **al. A. Mickiewicza 30, 30-059 Krakow,** the purpose of their collection, freedom of their disclosure, and the right to access and rectify the data.

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Date and signature of the candidate