



KSN 11/2021

Kraków, 7.12.2021

Call for Assistant Professor (adjunct) position in the group of Surface Nanostructures

- Employer: Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
- Research field:
Chemistry > physical chemistry
Chemistry > instrumental techniques
Physics > surface physics
- Researcher profile: R3
- Deadline for applications: 11.01.2022, 3:00 pm GMT+1
- Place: Poland, Kraków
- Type of Contract: to be determined (at least 12 months)
- Job Status: Full-time
- Working hours/week: 40
- Start of employment: 01.03.2022
- Key Words: ultra-high vacuum, epitaxial films, Mössbauer spectroscopy, photoemission electron microscopy (PEEM), low energy electron microscopy (LEEM), synchrotron techniques

Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences invites applications for the position of ASSISTANT PROFESSOR (adjunct) in the group of Surface Nanostructures.

The candidates who meet the conditions stated in the act "Ustawa o Polskiej Akademii Nauk" dated 30 April 2010 (Dz.U. 2018 poz. 1475 z póź. zm.), art 89. Ust. 3 for the position of ASSISTANT PROFESSOR are encouraged to apply for the position.

The candidate will participate in the research conducted in the group of "Surface nanostructures" carried out with the use of surface characterization techniques in ultra-high vacuum (UHV) conditions.

The research will concern:

- preparation of films and nanostructures by molecular beam epitaxy;
- determination of structural, electronic and magnetic properties of solid surfaces, epitaxial films and nanostructures;
- adsorption on monocrystalline surfaces and nanostructures.

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Nr konta: Bank Gospodarstwa Krajowego
PL 36 1130 1150 0012 1186 5820 0004
NIP: 6750001805, REGON: P-000326351

In particular, the Candidate will be responsible for:

- Conducting research in the field of catalysis, physicochemistry of interfaces and related fields;
- Carrying out tasks resulting from the cooperation with other research groups at ICSC PAN
- Carrying out tasks resulting from the scientific cooperation with other units undertaken by the Institute.

Required education:

Ph.D. or equivalent degree in chemistry, physics, chemical engineering or a related field.

Skills/Qualifications confirmed by paper from JCR list:

- Experience in the preparation of surface nanostructures by molecular beam epitaxy (MBE) under UHV conditions; (0-5 points)
- Experience in experimental research using basic surface characterization techniques under UHV conditions (e.g. low energy electron diffraction (LEED), Auger electron spectroscopy (AES), scanning tunnelling microscopy (STM)); (0-5 points)
- Experience in experimental research using Mössbauer spectroscopy; (0-5 points)
- Experience in experimental research using low energy electron microscopy (LEEM) or photoemission electron microscopy (PEEM); (0-5 points)
- Experience in experimental research using synchrotron radiation; (0-3 points)
- Experience in X-ray absorption spectroscopy (XAS) or photoemission electron microscopy using synchrotron radiation (X-PEEM) will be an additional benefit (0-5 pkt)

Specific requirements:

1. An application.
2. Consent to the processing of personal data for the needs necessary to carry out the recruitment process in accordance with the Act of 29 August 1997 on the protection of personal data (t.j. Dz. U. z 2016 r. poz. 922, z 2018 r. poz. 138, 723.) and fill in the form „Consent to the processing of personal data” confirming acquainting with its content. The form is available on the institute website [\[FORM\]](#).
3. A copy of the scientific degree certificate.
4. Full CV (including information on maternal leaves, voluntary work and periods of work in the industry).
5. At least one opinion on the Candidate given by an independent researcher (preferably senior supervisor).
6. List of scientific achievements (scientific papers, patents, patent applications, grants, etc.).
7. Copies of the 3 best publications connected to the topic of the call.
8. The Candidate's report on his/her scientific interests and research aims (an A4 page).

Languages:

Fluent in written and spoken English.

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Instytut Katalizy i Fizykochemii Powierzchni
im. Jerzego Habera
Polskiej Akademii Nauk



HR EXCELLENCE IN RESEARCH

Research experience:

More than 4 years after PhD

Eligibility criteria:

- Ph.D. degree in chemistry, physics, material engineering or related area.
- Documented achievements and experience confirmed by publications from the JCR list.
- Research internship(s) in centres other than those in which the doctoral degree was obtained
- At least 4 years in research after receiving PhD title

Selection process:

Applications should be sent in the electronic form to: sekretariat@ikifp.edu.pl with the subject title „**ADJUNCT NP KSN 11/2021**”

Deadline for applications: **11.01.2022 at 3:00 pm GTM+1**. The competition will be settled by **28.02.2022**. The candidates will be notified of the results.

After the initial pre-selection of applications, the recruitment commission may request an additional online interview with selected candidates.

The employment will be proceeded with accordance with the rules of the Labour Code for at least **12 months**.

Additional information:

- The gross salary will be at least **5 200 PLN/month** (approx. **1100 euro/month**) depending on the Candidate's experience.
- The Institute has been adapted to the needs of the disabled. The Institute does not provide accommodation. The recruitment process is conducted according to OTM-R policy.