



OPEN POSITION



Job ID: #JOB 11/202

Job Description

Job Title: Assistant professor or assistant, Solid state physics/superconductivity,

Job Summary:

The employee's responsibilities will include:

- Conducting electrical (switching protocol) studies of superconducting nanostructures in a dilution and sorption fridges,
- Fabrication of samples using electron-beam lithography,
- Acquisition and analysis of measurement data (LabView, Origin, Mathematica),
- Simulations of heat flow in nanostructures (Matlab),
- Preparation of research results and active participation in the writing of publications.

Job Description:

The team's broad interests include the study of heat flow in superconducting nanostructures (quasiparticle diffusion, electron-phonon interaction, phonon propagation, blackbody radiation) especially in the nonequilibrium state. The application of fast superconducting thermometry allows us to study thermal phenomena with a time resolution of 1 ns. In recent years, our team has also begun to study the physics and dynamics of single magnetic superconducting vortices.

Requirements for the candidate consist of:

- Experience in experimental solid state physics, nanotechnology and electronics,
- Good technical skills,
- Responsibility for the assigned tasks and interest in the proposed topics,
- Experience in cryogenic low-noise transport measurements is an added advantage,

Main research field: Physics

Sub Research Field: Solid state physics, superconductivity

Career Stage: holding a PhD in physics

Research Profile ([details](#)): **Recognised Researcher (R2)**

Type of Contract: Temporary 2 years with possibility of extension

Status: Full-time

Salary: 4700 – 6840,10 PLN per month (before taxes) depending on qualifications.

Contact

More information can be obtained from dr hab. Maciej Zgirski (e-mail: zgirski@ifpan.edu.pl).

Application details

Application deadline: May. 20, 2024. Applications sent after the deadline will not be considered.

Required materials:

- Curriculum Vitae
- Motivation letter
- List of publications
- Consent to process your personal data (using the enclosed form)
- Certificate of obtaining a doctorate issued by an institution recognised in Poland. In the case of institutions not recognised in Poland, the doctorate will have to be nostrified before employment.
- Contact details (e-mail) of at least two scientists who can be contacted about the candidate.
- In the case of applying for an assistant professor position – a certificate of obtaining a habilitation or a plan for obtaining the habilitation degree, including a set of publications that after possible additions, can form the habilitation achievement, as well as a description of activity that indicates scientific independence.

All materials should be submitted in electronic form to the address:

rekrutacja@ifpan.edu.pl with Job ID in the subject.

DATA PROCESSING UNDER CONSENT FOR THE PURPOSES OF RECRUITMENT

Under Art. 13 sections 1 and 2 of the Regulation of the European Parliament and of the 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 (General Data Protection Resolution), EU OJ L 119 of 04.05.2016, page 1, as amended, hereinafter referred to as "GDPR", we hereby inform as follows:

1. The Data Controller of the provided personal data is the Institute of Physics of the Polish Academy of Sciences, Al. Lotników 32/46, 02-668 Warsaw, phone (22) 116-2111, e-mail director@ifpan.edu.pl.
2. Contact details to the Data Protection Officer are as follows: e-mail iodo@ifpan.edu.pl
3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of Assistant Professor/Assistant
4. Processing of your personal data in scope of: full name, date of birth, correspondence address, information about education and course of past employment shall take place under Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code. In the scope in which you sent to us more personal data than indicated above, we process your data under the consent granted by you.
5. Your personal data shall be stored for 1 month from completion of the recruitment process. If you grant consent for processing of personal data for future recruitments, we shall process your data until withdrawal of the consent by you, however, no longer than for the period of 6 months from the day of submittal of the application by you.
6. Provision of the abovementioned data in the scope indicated above is a statutory requirement resulting from Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code, in the remaining scope it is voluntary. Failure to provide the data referred to in Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code precludes consideration of your candidacy for the offered position.
7. You have the right to access your personal data, to rectify them, erase them, restrict their processing.
8. You may submit a complaint to the Inspector General for the Protection of Personal Data.
9. You have the right to withdraw the consent to process your personal data in the scope in which they were provided at any time. Withdrawing the consent does not affect the lawfulness of processing carried out on the basis of consent before its withdrawal.

Consent content:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents for the purpose of carrying out the recruitment process for the position of Assistant or Assistant Professor.

If you want us to consider your candidacy also in the future recruitment processes, please grant the additional consent:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents in future recruitment processes taking place during 6 months from the day of appearance of this job advertisement.