



Job ID: #JOB4/2019

Job Description

Job Title: Expert in the growth and characterization of II-VI and IV-VI nanostructures; Assistant

Job Summary:

Conducting scientific research by means of electron, optical and electron transport microscopy and development of molecular beam epitaxy technology for the production of semiconductor nanostructures II-VI and IV-VI; the research will cover the development of MBE technology and advanced measurement methods, in particular EBIC.

Job Description:

Main tasks:

- Production and characterization of structures from the II-VI group (CdTe, ZnTe and their alloys).
- Production and characterization of structures from group IV-VI (PbTe, PbSe, PbSnTeSe) Transport measurements (I-V, C-V, classic and quantum transport) and optical semiconductor structures
 - Development of results, preparation of publications

Qualifications:

- PhD in physics, engineering or materials science with at least 8 years of experience in measurement techniques
- Minimum 8 years of experience in the growth of semiconductor structures using the MBE method
- Knowledge of the technological processes of semiconductor structures (such as sputtering, e-beam, thermal evaporation, polishing, wet etching techniques, wire bonding) and their diagnostics (SEM, EDX, etc.).
- Preferred, extensive experience in device operation:
 - Zeiss Auriga electron microscope,
 - EPI and PREVAC MBE systems,
- Extensive experience in the development of semiconductor technological processes
- Experience in maintenance and repair of measurement instrumentation
- Ability to cooperate with many employees at various levels

Main research field: Physics

Sub Research Field: Solid State Physics

Career Stage: Experienced researcher 6-10 years of experience in research

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

Type of Contract: Temporary, 2 years

Status: Full-time

Salary: 3600 PLN per month (before taxes)

Contact

More information can be obtained from prof Grzegorz Karczewski (e-mail: karcz@ifpan.edu.pl).

Application details

Application deadline: February 28, 2019

Required materials:

- Curriculum Vitae
- List of publications
- PhD diploma
- Consent to process your personal data

All materials should be submitted in electronic form to the address: jobs@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**
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**.*

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.