



Job ID: #JOB 2/2022

Job Description

Job Title: assistant

Job Summary:

Fabrication of bulk CdTe-based crystals using Bridgman method and characterization of their properties.

Job Description:

The recruited person will work in a group of physics of II-VI semiconductors. This person will carry out the experimental studies of CdTe-based materials (CdMnTe, CdMgTe, CdTeSe). Those materials are investigated with the intention to be used as room-temperature X-ray and gamma-ray detectors.

The candidate must have proven experience in conducting research in solid state physics or in materials science. The candidate must fulfill the following requirements:

- a) Experience in using of Bridgman and Molecular Beam Epitaxy methods;
- b) Experience in characterization of crystals' quality using: scanning electron microscopy (SEM), energy-dispersive X-ray spectroscopy (EDX), cathodoluminescence spectroscopy (CL), electron backscatter diffraction (EBSD), photoluminescence spectroscopy (PL), infra-red microscopy;
- c) Experience in internal electric field measurements using Pockels effect;
- d) Experience in fabrication of electrical contacts to high-resistivity materials ($\rho \geq 10^9 \Omega\text{cm}$), making of electrical contact structures, knowledge of photolithography and sputtering;
- e) Work with radioactive sources;
- f) Experience in using blade saw and wire saw;
- g) Computer analysis of experimental data;
- h) Group work predispositions;
- i) Ph.D. in experimental physics or related disciplines completed in 2021;
- j) Good command of spoken and written English, the preparation of manuscripts, the ability to present oral scientific results at international conferences.

Main research field: Physics

Sub Research Field: Solid state physics

Career Stage: Ph.D. in experimental physics or related disciplines completed in 2021

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

Type of Contract: Contract for one year with a possibility of prolongation

Status: full-time job

Salary: 4300 PLN per month

Contact

More information can be obtained from prof. dr hab. Andrzej Mycielski (e-mail: mycie@ifpan.edu.pl).

Application details

Application deadline: January 24th, 2022. Applications after deadline are not considered.

Required materials:

- Curriculum Vitae
- List of publications
- Consent to process your personal data (expressed on the form attached to this announcement)
- Copies of documents proving education

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
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

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.