



Job ID: #JOB 8/2020

Job description

Position title: Assistant – solid state physics

Job summary: Assistant specialized in optical spectroscopy of wide bandgap semiconductors, ion beam analysis, and scanning electron microscopy. Position in ON 4.4 group.

Job description:

The candidate will be responsible for conducting experimental investigations of wide bandgap semiconductor quantum structures (ZnO/ZnMgO, ZnO/ZnCdO and similar) also doped by ion implantation, using optical spectroscopy methods, Rutherford backscattering and channeling technique (RBS/C). Investigated materials will be obtained in the MBE laboratory of ON 4.4 division. Mentioned experimentation will lead to getting information about excitation mechanisms, emission structures of PL and PLE spectra, location of atoms in crystal lattice (RBS/C), and also analysis of collected PL and SEM-CL spectra for obtaining depth profiles of emission.

Requirements:

1. PhD in solid state physics.
2. At least 3-year experience in the investigation of wide bandgap semiconductors, including materials doped with rare-earth ions, using optical spectroscopy and ion beam analysis techniques, documented with publications.
3. At least 3 months of abroad internship in a scientific facility.
4. Experience in the realization of own scientific projects and other investigation projects.
5. Fluency in the English language allowing for the preparation of scientific publications and conference presentations.
6. Effective team-working.

Additional requirements:

(a) Experience in the field of materials investigation using optical spectroscopy and ion beam analysis (RBS/C), documented with publications. Knowledge of calculation and results visualization software is necessary.

(b) Involvement in measurements, high accuracy in the analysis of obtained results and processing for publication purposes.

(c) Initiative in searching of new fields of investigation; good organizational skills are welcome.

(d) Activity in applying for research funds.

Main Research field: Physics

Sub Research Field: Solid State Physics

Carrier Stage: Post-doc experienced researcher with at least 3 years of experience in solid state spectroscopy.

Research profile acc. EURAXESS ([details](#)): Recognized researcher R2

Type of Contract: Temporary (2 years with possibility of prolongation).

Status: Full-time

Salary: 4000 PLN (before taxes)

Contact

More information can be obtained from prof. Adrian Kozanecki (kozana@ifpan.edu.pl) and prof. Bogdan Kowalski (kowab@ifpan.edu.pl, phone +48 22 116 3316)

Application details

Application deadline: 25 March 2020.

Required materials:

- Curriculum Vitae
- List of publications
- Motivation letter
- Contact data (e-mail) to, at least two potential referees.
- Confirmation of an internship abroad.
- Consent to process your personal data (expressed on the form attached to this announcement)

We reserve the right to close the competition without giving reasons.

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 jodo@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

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.

