Job ID: #JOB45/2019

Job Description

Job Title: Postdoc position in solid-state physics

Job Summary:
Calculations of band structure, energy levels of activator ions and point defects in the wide-band-gap storage phosphor materials. Verification of calculation results by experimental data on optical and luminescence properties of the studied phosphor materials. Finding the possibilities of modification and improvement of functional properties of the studied materials. Presentations of research results at leading conferences on luminesce spectroscopy, scintillation and storage phosphor materials. Preparation of scientific publications in highly scored journals in physics, chemistry and material science.

Job Description:
Experience in selection and adaptation of appropriate electronic structure computational methods for solution of specific problems related to luminescence and excitation energy transfer processes in scintillation and phosphor materials. Experience in calculations of the electronic structures and optical properties of crystals using the band-theory DFT approach implemented in modern program packages like Wien2k, CASTEP, etc. Experience in computational modelling of the excited states of luminescence centers with use of quantum chemistry packages (Gaussian, GAMESS, etc). Experience in compilation and usage of modern electronic structure packages on supercomputers or PC clusters in Unix-based media. These experiences should be proven by corresponding scientific publications.

Main research field: Physics

Sub Research Field: Solid-state physics

Career Stage: Postdoc (at least 5 years after PhD degree)

Research Profile (details)**:** Recognized Researcher (R2)

Type of Contract: Temporary (12 months)

Status: Full-time

Salary: 8400 PLN / gross per month (before taxes).

Contact

More information can be obtained from dr hab. Yaroslav Zhydachevskyy
(e-mail: zhydach@ifpan.edu.pl).

Application details

Application deadline: Oct. 31, 2019. Later applications will be not considered.

Required materials:
- Curriculum Vitae
- List of publications

- Contact details to two experienced researches, who agree to provide reference letters
- 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 postdoc.
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. 22^1 § 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. 22^1 § 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. 22^1 § 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 postdoc .*

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.*