



Institute of Physics of the Polish Academy of Sciences

OPEN POSITION



Job ID: #JOB 15/2023

Job Description

Job Title: post-doc in experimental solid state physics and spectroscopy

Job Summary:

Impact of chemically and physically-induced structural phase transitions on optical properties of inorganic perovskites (experimental research)

Job Description:

The project aims for the preparation of various types of perovskites, important from an application point of view as well as a fundamental one. They will be examined by sophisticated and modern methods, which utilise high pressures generated in diamond anvil cells, and nonlinear optical spectroscopy.

The experimental part of the project will be strongly supported by theoretical research, based on first principles methods. The already existing long-standing fruitful collaboration between the Polish and Chinese teams forms a strong ground for efficient project implementation. We anticipate that the project findings will contribute to the knowledge of physics and chemistry of perovskites and to the performance of devices based on those materials. The project will make a profound positive impact on the development and strengthening of research ties between both countries. It will also be beneficial for the young researchers from both sides.

Requirements:

- **research experience:** sample preparation by various methods, including solid state reaction, Pechini, etc., characterization techniques such as XRD, SEM, STM, spectroscopic and electrical transport measurements, high pressure and nonlinear spectroscopy, confirmed by publications;
- **degree held:** Ph.D. in physics or chemistry, or materials engineering, (or PhD thesis submitted), obtained no earlier than 7 years before the beginning of the contract (calculated according to the official rules of NCN, as per the NCN resolution 26/2015 of 12 march 2015.);
- **required skills:** experience in laboratory work in a chemistry laboratory and proper knowledge of optical spectroscopy, knowledge of LabView;
- **proficiency in English;**
- **ability to work in a research team**, interact with other members of the group;
- Experience in writing research publications

Main research field: Physics

Sub Research Field: solid-state physics

Career Stage: **Experienced researcher or 4-10 yrs (Post-Doc)**

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

Type of Contract: Fixed term (1 year, with the possibility of extension up to 25 months)

Status: Full-time

Salary: Approximately 8300 PLN per month (before ~ 30% taxes, exact amount depends slightly on applicable social security contributions).

Contact

More information can be obtained from prof. Andrzej Suchocki (e-mail:

suchy@ifpan.edu.pl)

www.ifpan.edu.pl/sdvs/en/on4.1.html

Application details

Application deadline: 10.03.2023 Later applications will not be considered.

Required materials:

- Scientific CV
- Cover/motivation letter
- Scan of Ph.D. diploma (or an explanation of when one is expected)
- list of publications
- Two recommendation letters by an academic, or their contact email.
- Consent to process your personal data (expressed on the form attached to this announcement)

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

rekrutacja@ifpan.edu.pl and suchy@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 POST-DOC.
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 POST_DOC.

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.