



**Job ID:** (#JOB65/2018)

## Job Description

**Job Title:** Specialist in experimental condensed matter physics

**Job Summary:**

Conducting experimental research on magnetic properties of topological materials based on high sensitivity SQUID-based magnetometry with and without electrical gating.

Second main component of the job will be preparation of devices allowing for electrical gating employing deposition of dielectric insulators by ALD method.

**Job Description:**

His/her duties will consist of:

1) Execution of tasks defined in the project P-486/O (National Science Centre: *Topological Aspects of Superconductivity and Ferromagnetism in Group IV Chalcogenides - an Experimental Approach*), in particular:

- a) conducting SQUID based magnetometric measurements.
  - b) development of experimental set-up and seeking new practical approaches to overcome challenges related with the execution of the project.
  - c) ALD growth of dielectric oxides .
  - d) optimization of growth and basic characterization of the ALD grown layers.
  - e) magnetoelectric measurements in wide range of temperatures and magnetic fields.
  - f) upskilling and increasing of expertise in the ascribed research area.
  - f) spreading knowledge and experience to younger colleagues in the research team.
- 2) Assuming responsibility of the experimental set-ups on his/her disposal, economical approach to the usage of the consumables and other resources.
- 4) Seeking collaboration with other research teams in Poland and abroad to widen the active field of research and to find opportunities for project applications.
- 5) Data reduction, synthesis of the obtained experimental results and their presentation as seminars, reports and publications.

**Main research field:** Physics

**Sub Research Field:** Solid state physics

**Career Stage:** PhD holders or equivalent in experimental physics (PhD completed in 2013 or earlier), who is not yet fully independent. Essential requirement: knowledge and extensive experience in SQUID magnetic research of dilute magnetic semiconductors - documented in the form of publications. Also required at least 3 year research stay after completion PhD.

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

**Type of Contract:** Temporary, 36 months

**Status:** Full-time

**Salary:** Fixed, 8 000 PLN (before taxes).

## Contact

More information can be obtained from Prof. dr hab. Maciej Sawicki (e-mail: [mikes@ifpan.edu.pl](mailto:mikes@ifpan.edu.pl)).

## Application details

**Application deadline:** 25 January 2019

### **Required materials:**

- Curriculum Vitae
- Cover/motivation letter, please mention the earliest possible starting date (1 page)
- List of publications (also recently submitted to cond-mat)
- Consent to process your personal data
- Contact details to two references

All materials should be submitted in electronic form to the address: [jobs@ifpan.edu.pl](mailto: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](mailto:director@ifpan.edu.pl).
2. Contact details to the Data Protection Officer are as follows: e-mail [iodo@ifpan.edu.pl](mailto:iodo@ifpan.edu.pl)
3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of Specialist.
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<sup>1</sup> § 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<sup>1</sup> § 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<sup>1</sup> § 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 Specialist.*

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.*