



Institute of Physics of the Polish Academy of Sciences Scholarship for a MSc Student



Job ID: #JOB 43/2021

Job Description

Job Title: MSc Student - scholarship holder

Job Summary:

Point contact spectroscopy of MBE grown IV-VI heterostructures

Job Description: The candidate will work in one of MagTop's teams (<http://www.ifpan.edu.pl/sdvs/en/on6.html>). Research activity of MagTop is described in its agenda: <http://www.magtop.ifpan.edu.pl>. The International Centre for Interfacing Magnetism and Superconductivity with Topological Matter – MagTop is the Division (ON-6) of the Institute of Physics, Polish Academy of Sciences and is funded by a grant awarded to Professors Tomasz Dietl and Tomasz Wojtowicz within the International Research Agendas Programme of the Foundation for Polish Science, carried out from the funds of the European Regional Development Fund under the Smart Growth Operational Programme (SG OP).

The candidate will use soft point contact spectroscopy of IV-VI heterostructures in a search of manifestation of unconventional superconductivity. The latter is theoretically predicted to be induced by a periodic grid of misfit dislocations. The measurements will be performed at cryogenic temperatures including milli-Kelvin range and in high magnetic fields (10-16 Tesla). The student is obliged to finish his master thesis at the end of scholarship.

Main research field: Physics

Sub Research Field: Solid State Physics, Unconventional Superconductivity

Career Stage: MSc student, Bachelor of Science in solid state physics completed in 2021. The experience with sub-Kelvin temperatures electron transport in high magnetic fields is mandatory. Very good knowledge of written and spoken English is required.

Research Profile ([details](#)): First Stage Researcher (R1)

Type of Contract: Temporary (two years)

Status: full-time

Salary: 2500 PLN per month (untaxed scholarship).

Contact

More information can be obtained from

Prof. Tomasz Wojtowicz (e-mail: wojto@MagTop.ifpan.edu.pl)

Application details

Application deadline: 28.10.2021. Later applications will be not considered.

Required materials:

- Curriculum Vitae (up to 3 pages)
- Motivation letter
- List of publications/conference presentations if applicable
- Copies of documents proving education (e.g. copy of Bachelor of Science diploma)
- Copies of documents proving that the candidate is a student of the 2-nd degree studies

- Consent to process your personal data

All materials should be submitted in electronic form to **two addresses**:

rekrutacja@ifpan.edu.pl and open_positions@MagTop.ifpan.edu.pl with Job ID in the subject.

Information clause – scholarship competition

Pursuant to Article 13 paragraphs 1 and 2 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals 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 Regulation) Official Journal of the European Union, L 119, 4 May 2016, page 1, as amended, hereinafter referred to as “GDPR”, we hereby inform as follows:

1. The Institute of Physics of the Polish Academy of Sciences with its registered office in Warsaw, Al. Lotników 32/46, represented by its Director, is the Controller, i.e. an entity deciding about how your personal data will be used. You may contact the Controller using one of the contact forms available on the website: tel. (22) 116-2111, e-mail: director@ifpan.edu.pl
2. The Director of the Institute of Physics of the Polish Academy of Sciences has appointed the Data Protection Officer (DPO), whom you may contact in matters relating to your personal data, by sending an email to the following address: iodo@ifpan.edu.pl
3. Your personal data will be processed in connection with your participation in the scholarship competition and if you win the competition, in connection with receiving the scholarship – on the basis of your consent – Article 6 paragraph 1 item a GDPR.
4. Your personal data will be processed for a period of 6 months after the end of the scholarship competition and in the case of receiving the scholarship – for a period resulting from legal and tax regulations;
5. Your personal data will be made available to other entities that can finance and settle the scholarship granted and entities authorized under provisions of law. Your data will only be accessed by people authorized by the Controller;
6. Provision of your personal data is mandatory; in the event of failure to do so, you will not be able to participate in the scholarship competition;
7. You have the right to access your data, the right to rectify it and limit processing thereof;
8. You have the right to lodge a complaint to the President of the Office for Personal Data Protection, if you consider that the processing of your personal data violates provisions of the General Data Protection Regulation.

Consent to processing:

I hereby consent to the processing of my personal data contained in the application/request form by the Institute of Physics of the Polish Academy of Sciences to conduct the scholarship competition and in the case of being granted the scholarship, to pay and settle it. I provide my personal data voluntarily and I declare that it is accurate. I have read the content of the information clause.

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Date and signature