



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



Job ID: #JOB 21/2022

Job Description

Job Title: PhD student – scholarship holder

Job Summary: Experimental work in SQUID magnetometry and magnetotransport measurements specific to the research tasks of the project entitled: “Topological Aspects of Superconductivity and Ferromagnetism in Group IV Chalcogenides - an Experimental Approach”

Job Description:

The selected candidate will be tasked with:

- (i) magnetoelectric measurements in wide range of temperatures and magnetic fields and conducting SQUID based magnetometric measurements,
- (ii) development of experimental set-up and seeking new practical approaches to overcome challenges related with the execution of the project
- (iii) data reduction, synthesis of the obtained experimental results and their presentation as seminars, reports and publications.

Requirements:

- Master’s degree in physics (or an equivalent that qualifies one for PhD studies in physics in the country of issue).
- Experience in experimental work (documented by publications and / or reference letters) with a strong preference for those who have already worked with transport and magnetic properties of dilute magnetic semiconductors.
- Good knowledge of English in speech and writing.
- The ability to work independently and to effectively cooperate and communicate with other members of the group (including those working in experiment), and with external colleagues.
- To be employed, the candidate must be accepted into the PhD school in which the Institute of Physics participates. Applications for the position are through recruitment to the School, online at warsaw4phd.eu.

Main research field: Physics

Sub Research Field: Solid state physics

Career Stage: Early stage researcher or 0-4 yrs (Post-graduate)

Research Profile (details): First Stage Researcher (R1)

Type of Contract: Fixed term (10 months)

Status: Full-time

Salary: grant funding of **4500** PLN per month, before subtracting obligatory employer and employee social security contributions (~15%).

Contact

More information can be obtained from
Maciej Sawicki (e-mail: mikes@ifpan.edu.pl)
<http://www.ifpan.edu.pl/SL-2/staff2.3.html>

Please make contact.

Application details

Application deadline: 04.06.2022 Later applications will not be considered.

Required materials:

- Scientific CV
- Cover letter
- Scan of MSc diploma or equivalent (or an explanation of when one is expected)
- Academic record (for finalized semesters)
- Recommended: A recommendation letter by an academic, or their contact email.

All materials should be submitted in electronic form by application to the PhD school warsaw4phd.eu, choosing the project: "*Topological Aspects of Superconductivity and Ferromagnetism in Group IV Chalcogenides - an Experimental Approach*". The application system will be active from 21 May 2022.

Results regarding the position will be made available by 06 July 2022.