

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



Job Description

Job Title: PhD Student - scholarship holder

Job Summary:

Experimental studies of novel gallium-containing wide-bandgap oxide materials for optoelectronics applications. Studies by optical spectroscopy methods (absorption, diffuse reflection, photoluminescence, radioluminescence, thermally and optically stimulated luminescence, etc.) and measurements of electrical properties (electrical conductivity, temperature dependence of conductivity, Hall effect measurements, etc.).

Job Description:

Proposed experimental studies will be carried out as a part of the research project funded by the National Science Center (2024/53/B/ST11/01108). The PhD student's responsibilities will include: measurements using optical and electrical measurement techniques, analysis of the obtained results and active participation in the preparation of scientific publications, presentation of own results at scientific conferences.

Requirements:

- Interest in experimental research in the field of solid state physics and materials science.

- Computer literacy at an advanced user level (Windows, MS Office, Origin, Mathcad, etc.).

- Good knowledge of English.
- Ability and willingness to work in a team.

- Master's degree in physics (or an equivalent that qualifies one for PhD studies in physics in the country of issue).

- 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 (<u>details</u>): First Stage Researcher (R1)

Type of Contract: Fixed term (48 months)

Status: Full-time

Salary: grant funding of 5000 PLN, later 6500 PLN per month, before subtracting obligatory employer and employee social security contributions (~15%), for 36 months, which gives approx. 3794 PLN net/month in years 1-2, and (after passing mid-term. exam) approx. 4932 PLN net/month in year 3. Afterwards PhD scholarship approx. 4739 PLN net/month in year 4.

Contact

More information can be obtained from Prof. dr hab. Yaroslav Zhydachevskyy (e-mail: <u>zhydach@ifpan.edu.pl</u>) <u>https://www.ifpan.edu.pl/en/institute/scientific-divisions/division-of-physics-andtechnology-of-wide-band-gap-semiconductor-nanostructures/on4-1-group-of-highpressure-spectroscopy.html Please make contact.</u>

Application details

Application deadline: 01.06.2025.

All materials should be submitted in electronic form by application to the PhD school warsaw4phd.eu, choosing the project: *"Badania doświadczalne nowych materiałów tlenkowych szerokoprzerwowych zawierających gal do zastosowań w optoelektronice (P-557/O)"*. The application system will be active from 19.05.2025. Results regarding the position will be made available by 08.07.2025.

The Institute of Physics of the Polish Academy of Sciences has Rules for Internal Reports specifying the procedure for reporting violations of law and taking follow-up actions, which can be found on the Institute's website at the link: https://www.ifpan.edu.pl/en/institute/internal-reports-concerning-violations-of-law.html