



Institute of Physics of the Polish Academy of Sciences

OPEN POSITION



Job ID: #JOB 8/2023

Job Description

Job Title: assistant/adjunct, depending on qualifications, **in condensed matter physics**

Job Summary:

The duty of the employee will be to take care of the magneto-optical spectroscopy laboratory and optical and magneto-optical measurements, including photoluminescence, luminescence excitation, decay time and Optically Detected Magnetic Resonance (ODMR) together with the analysis of the results and preparing them for publication.

Job Description:

The duty of the employee will be to take care of magneto-optical spectroscopy laboratory, including care for the proper maintenance of the used equipment. The employee is expected to perform luminescence (PL) measurements at helium and higher temperatures, measurements of PL decay times, PL excitation and ODMR, and to elaborate the obtained results and prepare them for publication in scientific journals in the field of physics, chemistry or material engineering. The subject of the study will be structures of semiconductors and wide-gap oxides (single crystals, thin films, core-shell quantum dots) of materials such as InGaP, ZnO, Ga₂O₃, also doped with rare earth elements. The employed person will also work with scientific literature, present results at international scientific conferences and prepare project applications for the National Science Center.

Main research field: Physics

Sub Research Field: Solid State Physics

Career Stage: Recognized Researcher (R2) PhD in physics. Knowledge of English confirmed by publications containing the results of optical research. Experience in spectroscopic and magneto-optical measurements, working with microwaves, magnetic fields and low-temperature equipment. Experience in optical and ODMR measurements of semiconductor and/or dielectric compounds containing rare earth elements.

Type of Contract: 1 year contract with the possibility of extension

Status: Full-time

Salary: Depending on qualifications, from 4700 to 5300 PLN per month (before taxes).

Contact

More information can be obtained from prof. Elżbieta Guziewicz (e-mail: guzel@ifpan.edu.pl).

Application details

Application deadline: March 10th, 2023. **Applications after deadline are not considered.**

Required materials:

- Curriculum Vitae
- List of publications
- Contact data (e-mail) to, at least two potential referees.
- copies of documents proving education

- In case of application for the adjunct position the list of publications dedicated for habilitation, a short description of habilitation subject and research plan for next 2 years are necessary

- Consent to process your personal data (expressed on the form attached to this announcement)

- (Add additional requirements if needed; multi-line possible. Otherwise leave empty.)

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

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