

FORM FOR EMPLOYERS

INSTITUTION Institute of Physics of the Polish Academy of Sciences

CITY Warszaw

POSITION Professor, experimental physics, specialist in semiconductor physics and magnetism, with particular emphasis on magnetic measurements of thin-film diluted magnetic semiconductors and antiferromagnetic systems. #JOB31/2026

DISCIPLINE Physics

POSTED 14/10/2026

EXPIRES 1 listopada 2026 r.

WEBSITE

https://www.ifpan.edu.pl/images/instytut/Oferty_pracy_i_konkursy/2026/2026-10-08_Profesor_031-2026_EN.pdf

KEY WORDS professor, physics, magnetism

DESCRIPTION (field, expectations, comments):

Job Summary:

Fundamental research and characterization of the magnetic and magnetotransport properties of thin-film antiferromagnetic structures and other material systems requiring advanced SQUID magnetometry techniques.

Job Description:

The research will be carried out in the Laboratory of Cryogenic and Spintronic Research SL2. The laboratory is equipped with two Quantum Design SQUID magnetometers, MPMS-5T and MPMS-7T, as well as a He-3 magnetotransport system operating in magnetic fields up to 7 T. In addition, it has a scanning electron microscope with electron diffraction capabilities and access to chemical processing, lithography, ion milling, and

ALD deposition facilities. The group maintains broad collaboration with other research groups both within IP PAS and outside the Institute, including longstanding international collaborations.

Requirements:

- Professor title;
- Experience in SQUID magnetometry of thin-film semiconductor-magnetic structures, with particular emphasis on antiferromagnetic layers of submicron thickness;
- Experience in SQUID magnetometry measurements performed under an externally applied electric field;
- Experience in the preparation and performance of magnetotransport measurements, particularly at very low temperatures, e.g. below 1 K, and in high magnetic fields;
- Significant scientific and publication record;
- Experience in leading advanced national-level research projects;
- Fluent spoken and written English;
- Ability to work in a team;
- Experience in the supervision of PhD students, including successful supervision of PhD graduates.

Career Stage: More Experienced researcher or >10 yrs (Senior)

Type of Contract: Temporary, 24 months with possibility of extension

Status: 3/5-time employment

Salary: 5847 PLN gross per month (for 3/5-time employment), plus a length-of-service bonus of up to 20%.

Contact

More information can be obtained from Dr. hab. Prof. IP PAS Piotr Deuar, (e-mail: deuar@ifpan.edu.pl).

Application details

Application deadline: November 1st, 2026. Later applications will not be considered.

Required materials:

- Motivation letter
- Curriculum Vitae
- List of publications
- Copy of the professor's diploma
- Research plan related to the employment in IP PAS
- Consent to process your personal data (expressed on the attached form)

For legal reasons we will not be able to process your application without this!

All materials should be submitted in electronic form to the address:
rekrutacja@ifpan.edu.pl with Job #JOB31/2026

ID in the subject.

We encourage people with disabilities to apply. We provide friendly working conditions.

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>

