FORM FOR EMPLOYERS

INSTITUTION Institute of Physics of the Polish Academy of Sciences

CITY Warszawa

POSITION Professor, experimental physics, specialist in superconductivity and magnetism

DISCIPLINE Condensed matter physics

POSTED 19/11/2026

EXPIRES 10/12/2026

WEBSITE
https://www.ifpan.edu.pl/images/instytut/Oferty_pracy_i_konkursy/2026/2026-11-19_Profesor_037-2026_EN.pdf

KEY WORDS Condensed matter physics, Professor, physics

DESCRIPTION (field, expectations, comments):

Job Summary:

Characterization and fundamental research into the magnetic properties of high-temperature superconductors, compensated ferrimagnets, and other materials exhibiting magnetic ordering, requiring application of advanced magnetometric techniques. Research using SQUID, vibrating-sample, and torsion magnetometry—including measurements under hydrostatic pressure and in high magnetic fields.

Job Description:

The work will be carried out within the Phase Transitions Group of the Division of Magnetism Physics (ON3.5). The group is equipped with two Quantum Design SQUID magnetometers (MPMS-5T and MPMS-7T), two Quantum Design Physical Property Measurement Systems (PPMS), and a PAR vibrating-sample magnetometer. The group

maintains extensive collaborations with other research teams, both within and outside the Institute of Physics of the Polish Academy of Sciences (IFPAN), including long-standing international partnerships.

Requirements:

• Professor title;

• Experience in SQUID magnetometry, including conducting research under hydrostatic pressure;

• Experience in conducting research using vibrating-sample magnetometry, including under hydrostatic pressure;

• Experience in conducting research using torsion magnetometry;

• Significant scientific and publication record;

• Experience in leading advanced national-level research projects;

• Fluent spoken and written English;

• Experience in leading the work in a team;

• Experience in the supervision of PhD students, including successful supervision of PhD graduates.

What we offer:

• A supportive, friendly, and stable working environment with opportunities for career development, both within Poland and internationally.

• The opportunity to contribute to innovative research with potential for significant scientific impact.

Main research field: Physics

Sub Research Field: Condensed matter physics

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

Research Profile (details): Leading Researcher (R4)

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 Prof. Andrzej Wawro (e-mail: wawro@ifpan.edu.pl).

Application details

Application deadline: December 10th, 2025. Later applications will not be considered.

Required materials:

• Curriculum Vitae

• Motivation letter

• List of publications

• Copy of the professor's diploma

• Research plan related to the employment at IP PAS.

• Contact data (e-mail) to at least two scientists willing to provide reference letters.

• 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 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