



Institute of Physics of the Polish Academy of Sciences

OPEN POSITION



Job ID: #JOB 40/2022

Job Description

Job Title:

Professor, specialist in ferromagnetic semiconductor nanostructures

Job Summary:

Experimental studies of electric, optical, and magnetic properties of semiconductor spintronic nanostructures. The successful applicant will carry out electron magneto-transport and electron band structure studies of layered ferromagnetic semiconductors and ferromagnetic metal/semiconductor heterostructures, in cryogenic temperatures and in magnetic field. Experimental and technological facilities will be available in Department of Semiconductor Physics of IP PAS as well as in other research units.

Job Description:

After employment, the applicant will study ferromagnetic semiconductor nanostructures composed of thin layers of (Ga,Mn)As as well as layered heterostructures ferromagnetic metal/semiconductor. Particular emphasis will be placed on using (Ga,Mn)As layers of designed magnetic anisotropy and exploiting doping with heavy ions to enhance spin-orbital effects. Materials for this research program will be provided by IP PAS technological laboratories or our partners. The key experiments will concern electrical measurements (magneto-resistance, Hall effect) as well as the study of optical (modulated reflectance) and magnetic (SQUID magnetometry) properties.

Requirements:

The successful applicant is expected to have many years of research experience (as certified by his/her relevant, significant publication record and experience in supervising research teams) with particular emphasis on experience in planning, carrying out measurements and analysis of magneto-transport, optical and magnetic properties as well the ability to design lithographic microstructures with specific properties making use of (Ga,Mn)As layers epitaxially deposited on various substrates. Their experience and scientific plans connected with the employment must be compatible with the job description and summary.

Main research field: Physics

Sub Research Field: Solid State Physics

Career Stage: Experienced, independent scientific researcher

Research Profile ([details](#)): Leading Researcher (R4)

Type of Contract: 3 years with possibility of prolongation

Status: Part time (0.49)

Salary: 3,283 PLN per month (before taxes).

Contact

More information can be obtained from Dr. hab. Andrzej Łusakowski (e-mail: lusak@ifpan.edu.pl).

Application details

Application deadline: September 02, 2022. Later applications will not be considered.

Required materials:

- Motivation letter
- Copy of the award of the title of professor or doctor-of-science (habilitation) diploma
- List of publications for the last 10 years
- Curriculum Vitae
- Scientific plans connected with the employment
- Consent to process your personal data (expressed on the form attached to this announcement).

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

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

DATA PROCESSING UNDER CONSENT FOR THE PURPOSES OF RECRUITMENT

Under Art. 13 sections 1 and 2 of the Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Resolution), EU OJ L 119 of 04.05.2016, page 1, as amended, hereinafter referred to as "GDPR", we hereby inform as follows:

1. The Data Controller of the provided personal data is the Institute of Physics of the Polish Academy of Sciences, Al. Lotników 32/46, 02-668 Warsaw, phone (22) 116-2111, e-mail director@ifpan.edu.pl.
2. Contact details to the Data Protection Officer are as follows: e-mail iodo@ifpan.edu.pl
3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of PROFESSOR.
4. Processing of your personal data in scope of: full name, date of birth, correspondence address, information about education and course of past employment shall take place under Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code. In the scope in which you sent to us more personal data than indicated above, we process your data under the consent granted by you.
5. Your personal data shall be stored for 1 month from completion of the recruitment process. If you grant consent for processing of personal data for future recruitments, we shall process your data until withdrawal of the consent by you, however, no longer than for the period of 6 months from the day of submittal of the application by you.
6. Provision of the abovementioned data in the scope indicated above is a statutory requirement resulting from Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code, in the remaining scope it is voluntary. Failure to provide the data referred to in Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code precludes consideration of your candidacy for the offered position.
7. You have the right to access your personal data, to rectify them, erase them, restrict their processing.
8. You may submit a complaint to the Inspector General for the Protection of Personal Data.
9. You have the right to withdraw the consent to process your personal data in the scope in which they were provided at any time. Withdrawing the consent does not affect the lawfulness of processing carried out on the basis of consent before its withdrawal.

Consent content:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents for the purpose of carrying out the recruitment process for the position of PROFESSOR .

If you want us to consider your candidacy also in the future recruitment processes, please grant the additional consent:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents in future recruitment processes taking place during 6 months from the day of appearance of this job advertisement.