Institute of Physics of the Polish Academy of Sciences
OPEN POSITION

Job ID: #JOB24/2019

Job Description

Job Title: Technician – specialist in fabrication and physical characterization of thermoelectric semiconducting materials

Job Summary:

In the TERMOD project financed by National Centre for Research and Development the full-time, 30-month-long employment is foreseen for a young researcher combining the expertise in manufacturing semiconductor thermoelectric materials with the characterization of their physical properties. The key aspect is related to timely mastering the manufacturing of semiconductors by the Bridgman method and mechanical forming (cutting, preparation of micropowders) of these materials. Successful candidate will collaborate with several technological institutes in Warsaw, Cracow and Silesia region (TERMOD consortium), thus participating in the process of optimization of materials before assembling the thermoelectric module. It is expected that the candidate will organize the everyday work in technological laboratory also taking care of proper supply of technological materials and synthesis of semiconductors.

Job Description:

Technological and experimental tasks of TERMOD project will be performed in Department of Semiconductor Physics of IF PAN (research group ON1.2, leader Prof. Tomasz Story) http://info.ifpan.edu.pl/sdvs/pl/on1.2.html. Key technological tasks involve: (1) manufacturing of IV-VI semiconductors ($Pb_{1-x}Sn_xTe$) by the Bridgman method, (2) optimization of materials parameters by doping and annealing, (3) mechanical microstructurization by milling in planetary ball mills, (4) collaboration with TERMOD consortium partners in synthesis by spark sintering and low-cost manufacturing by extrusion. Research tasks concern the measurements and analysis of basic electrical (conductivity, carrier concentration), thermoelectric power, and structural parameters. Candidate will have to timely learn the methodology of relevant experimental techniques and analysis of data obtained with the use of equipment available in group ON12.

Main research field: Physics

Sub Research Field: Solid State Physics

Career Stage: Early Stage Researcher

Research Profile (details)**:** R1

Type of Contract: 30 months

Status: Full time

Salary: Depends on qualifications
From 4000 to 4500 PLN per month (before taxes).

Contact

More information can be obtained from Tomasz Story (e-mail: story@ifpan.edu.pl).

Application details

Application deadline: June, 21, 2019

Required materials:

Curriculum Vitae
Cover letter
List of publications and conference presentations
E–mail address of scientist who could provide a reference letter, if requested
Consent to process your personal data

All materials should be submitted in electronic form to the address: jobs@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 technician.
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. 22^1 § 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. 22^1 § 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. 22^1 § 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 technician.*

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.*