



Institute of Physics of the Polish Academy of Sciences

Scholarship for a trainee

Job ID: #JOB19/2019



Job Description

- Job Title: **Stipendist - trainee** (MSc student or MSc with a status of PhD student)

Job Summary:

Candidate profile:

- University degree (Bachelor or MSc) in one of following disciplines: Atomic Physics, Molecular Physics, Optics, Photonics, Laser Physics, Technical Physics.
- MSc student or MSc with a status of PhD student (in other institute or university)
- Good spoken and written English skills
- Experience in laboratory work
- Strong motivation for scientific work, particularly laboratory work
- Experience in laboratory work or programming will be an additional asset

Job Description:

Group of laser spectroscopy offers a possibility to join the currently realised project on laser spectroscopy of diatomic alkali molecules as a trainee. The project is focused on investigation of electronic structure of selected electronic states of Rb_2 , Cs_2 and RbCs molecules, including determination of corresponding molecular constants and potential energy curves.

The research methodology is based on a laser polarization labelling spectroscopy technique which allows to record high resolution spectra of the investigated molecules. The experimental resources available in our laboratories include state-of-the art laser systems, specialized detection systems and spectroscopic cells designed for production of specific alkali metal dimers. The numerical Pointwise Inverted Perturbation Approach method developed in our group enables construction of molecular potentials for investigated electronic states basing on experimental spectra, even for states with exotic shapes of potential curves.

The employed trainee will have a possibility to learn technically how to build a complex experimental setup, by taking part in different steps of such work, like design of individual parts, organising them in particular modules, building and alignment of lasers, as well as communicating with the equipment through the network due to specially dedicated software. The responsibility, commitment, and self-reliance are a part of the required attitude.

Main research field: Physics

Sub Research Field: Optics, Laser Spectroscopy, Atomic and Molecular Physics,
Laser Physics

Career Stage: Early stage researcher or 0-4 yrs (Bachelor or MSc)

Research Profile ([details](#)): First Stage Researcher (R1)

Type of Contract: Temporary (9 months)

Status: Full-time

Salary: 3000 PLN per month (before taxes).

Contact

More information can be obtained from
prof. Włodzimierz Jastrzębski (e-mail: jastr@ifpan.edu.pl).

Application details

Application deadline: 31 July 2019 Later applications may also be considered.

Required materials:

- Curriculum Vitae
- Consent to process your personal data
- Letter of motivation
- Detailed description of experimental abilities
- Reference letter and contact data of the Author of the letter (phone number(s) and email address(es))
- List of publications, conference presentations and other achievements
- Transcript of record from undergraduate studies

All materials should be submitted in electronic form to the address: jobs@ifpan.edu.pl
with Job ID in the subject.

Information clause – scholarship competition

Pursuant to Article 13 paragraphs 1 and 2 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals 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 Regulation) Official Journal of the European Union, L 119, 4 May 2016, page 1, as amended, hereinafter referred to as “GDPR”, we hereby inform as follows:

1. The Institute of Physics of the Polish Academy of Sciences with its registered office in Warsaw, Al. Lotników 32/46, represented by its Director, is the Controller, i.e. an entity deciding about how your personal data will be used. You may contact the Controller using one of the contact forms available on the website: tel. (22) 116-2111, e-mail: director@ifpan.edu.pl
2. The Director of the Institute of Physics of the Polish Academy of Sciences has appointed the Data Protection Officer (DPO), whom you may contact in matters relating to your personal data, by sending an email to the following address: iodo@ifpan.edu.pl
3. Your personal data will be processed in connection with your participation in the scholarship competition and if you win the competition, in connection with receiving the scholarship – on the basis of your consent – Article 6 paragraph 1 item a GDPR.
4. Your personal data will be processed for a period of 6 months after the end of the scholarship competition and in the case of receiving the scholarship – for a period resulting from legal and tax regulations;
5. Your personal data will be made available to other entities that can finance and settle the scholarship granted and entities authorized under provisions of law. Your data will only be accessed by people authorized by the Controller;
6. Provision of your personal data is mandatory; in the event of failure to do so, you will not be able to participate in the scholarship competition;
7. You have the right to access your data, the right to rectify it and limit processing thereof;
8. You have the right to lodge a complaint to the President of the Office for Personal Data Protection, if you consider that the processing of your personal data violates provisions of the General Data Protection Regulation.

Consent to processing:

I hereby consent to the processing of my personal data contained in the application/request form by the Institute of Physics of the Polish Academy of Sciences to conduct the scholarship competition and in the case of being granted the scholarship, to pay and settle it. I provide my personal data voluntarily and I declare that it is accurate. I have read the content of the information clause.

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Date and signature