Institute of Physics of the Polish Academy of Sciences
Scholarship for a PhD Student

Job ID: #JOB22/2019

Job Description

Job Title: PhD student

Job Summary:

The aim of this project is an improvement and optimization for (Ga,Mn)N of an already sizably advanced universal computational code based on atomistic spin model and Landau-Lifshitz-Gilbert equation [1], which will be customized to be run on ever so more efficient multicore graphics processing units (GPU). Using this brand new computational tool we will simulate the dynamical properties as the hysteresis loops (including remanence and coercivity) and magnetoelectric signals. After necessary modification the code will be used to simulate ferromagnetic resonance (FMR) and muon spin rotation (μSR) experiments. PhD student will be involved in all research tasks of the project related to numerical simulations.

[1] R. F. L. Evans *et al., J. Phys.: Condens. Matter* 26 103202 (2014).

Job Description:

Requirements:

- Good knowledge of c++ and/or python.
- Good analytical skills
- Experience in theoretical work (documented by publications and / or reference letters)
- Good knowledge of English in speech and writing.
- The ability to work independently and to effectively cooperate and communicate with other members of the group (including those working in experiment), and with external colleagues.

Successful candidate have to undertake studies in newly established Warsaw PhD School in Natural and BioMedical Sciences “Warsaw-4-PhD”, from 01 October 2019.

Main research field: Physics

Sub Research Field: Solid state physics

Career Stage: Post-graduate

Research Profile (details)**:** First Stage Researcher (R1)

Type of Contract: 36 months

Status: full-time

Salary: 4500 PLN per month (untaxed scholarship).

Contact

More information can be obtained from
prof. Maciej Sawicki (e-mail: mikes@ifpan.edu.pl).
dr Dariusz Sztenkiel (e-mail: sztenkiel@ifpan.edu.pl)

Application details

Application deadline: 01.07.2019

Later applications will be not considered.

Required materials:

- Curriculum Vitae
- List of publications
- 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.

Information clause in the process of recruitment for studies

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, i.e. the entity deciding how your personal data are used, is the Institute of Physics of the Polish Academy of Sciences, represented by the Director, with its registered office in Warsaw Al. Lotników 32/46. You can contact the Data Controller using one of the contact forms available at: phone (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 a Data Protection Officer (DPO) with whom you may contact in matters regarding your personal data. You may contact the Officer sending an e-mail to: iodo@ifpan.edu.pl
3. Your personal data shall be processed in order to perform the process of recruitment for studies;
4. The basis for processing of your personal data are provisions of the Act on Higher Schools and Education (consolidated text: Journal of Laws of 2018, item 1668);
5. Your personal data shall be processed for the period of 6 months upon completion of the recruitment process and in case of admission to studies, according to the course of the studies, and then they shall be archived according to the applicable provisions;
6. Your personal data shall not be made available to any other entities save for entities authorised under the provisions of the law. Employees and members of the university recruitment committees authorised by the Data Controller will have access to your personal data;
7. Providing personal data by you is voluntary, but failure to provide them precludes participation in the recruitment process;
8. You have the right to access the contents of your personal data and you have the right to rectify them, erase them and restrict their processing;
9. You can submit a complaint to the Inspector General for the Protection of Personal Data if you find that their processing violates provisions of the General Data Protection Regulation.

Consent for processing:

☐ I grant my consent for processing of my personal data by the Institute of Physics of the Polish Academy of Sciences in order to ensure conditions of full participation in the process of recruitment for studies. I provide the personal data voluntarily and declare that they are true. I have familiarised myself with the content of the information clause, including the information about the purpose and methods of processing of personal data and right to access the content of my data and the right to rectify them.

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Date, candidate's signature