INSTITUTION: UNIVERSITY OF WARSAW, FACULTY OF PHYSICS

CITY: WARSAW, POLAND

POSITION: Independent engineering and technical employee

DISCIPLINE: Physical Sciences

NUMBER OF POSITIONS: 1

EXPIRES: 30.11.2022

WEBSITE: https://www.fuw.edu.pl

KEY WORDS: magnetism, magnetic frustration, magnetic disorder, Monte Carlo methods

DESCRIPTION:

Research work based mainly on computer simulations will be carried in the Institute of Experimental Physics, Faculty of Physics, University of Warsaw, within the project "Spin noise spectroscopy of emerging materials for opto-spintronics" financed by the Polish National Agency for Academic Exchange. The successful candidate will be mainly responsible for creating and performing simulations of frustrated magnetic systems (including Artificial Spin Ices) in order to study new magnetic phases in such systems and their dynamics in external magnetic fields. The simulations will be mainly using Monte Carlo methods. The aim of the research is to explore new material systems with properties suitable for future spintronic and opto-spintronic devices. The research work of the successful candidate may be used for future PhD thesis in physics.

Candidates holding a PhD degree are also welcome to apply, the respective tasks will be accordingly adjusted allowing for further scientific development.

The requirements:

1. Master degree in physics, mathematics or computer sciences (obtained at latest in the moment of the start of employment).
2. Very good programming skills (Python/C++ or others).
3. Basic knowledge on basic physics and magnetism.
4. Good written and spoken English skills.
5. Team working skills.
   Experience in Monte Carlo simulations will be beneficial.
Key responsibilities

Main task of the candidate will be to create and perform computer simulations of frustrated magnetic systems and - depending on the development of the research - other systems. The simulations will be mainly using Monte Carlo methods in order to study new magnetic phases in studied systems and their dynamics in external magnetic fields.

Conditions

1. Full time position.
2. Salary 100 000 PLN / year (total employer cost).
3. Possible employment from 1.01.2023. Contract for 12 months with the possibility for extension till the end of the projects duration (31.10.2024).
4. Work will be carried in the Solid-State Division, Institute of Experimental Physics at the Faculty of Physics, University of Warsaw.

Application procedure

Candidates should send to mgoryca@fuw.edu.pl till 30.11.2022 documents listed below.

1. Information on personal data processing, the form is attached to this announcement (also available on the website https://bsp.adm.uw.edu.pl/wp-content/uploads/sites/18/2021/01/Klauzula-informacyjna-przy-rekrutacji-do-pracy_11_2019_EN.docx). The file should contain a scanned signature.
2. CV containing, among others, all relevant academic information.
3. List of publications and conference presentation (if applicable).
4. Copy of higher education transcript.
5. Copy of possessed higher education diplomas.
6. If possible: recommendation letter from past employers / supervisors.
7. If possible: contact details of previous employers / supervisors.

Upon successful application the candidate will have to provide originals of the above listed documents.

The entire procedure will be concluded before 6.12.2022. The candidate might be asked for an interview with the commission appointed by the Dean of the Faculty. An email will be sent to such candidates.

Additional information: mgoryca@fuw.edu.pl

Phone: +48 22 55 32 721
Information on personal data processing

Controller

Controller of your personal data processed in connection with the recruitment process is the University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa, as the Employer.

Contact with the controller:
- by traditional mail at: University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa (name the organizational unit to which your letter is addressed);
- by phone: 22 55 20 355.

Data Protection Officer (DPO)

Controller has designated Data Protection Officer whom you may contact via email at iod@adm.uw.edu.pl. You may contact the DPO in all matters relating to your personal data processing by the University of Warsaw and the exercise of rights in relation to the processing of personal data.

The DPO, however, does not proceed other matters, like handling recruitment procedures, collecting recruitment documents, providing information on current recruitment process.

Purpose and legal grounds of data processing

Personal data of candidates for employment shall be processed for recruitment purposes only.

Your personal data shall be processed in the scope as indicated by employment law¹ (given name (names) and family name, date of birth, contact information as provided, education, professional qualifications, previous employment) for the purposes of this recruitment process², whereas other data³ shall be processed based on your consent which may take the following wording:

I agree to the processing of personal data provided in .... (e.g. CV, cover letter, and other submitted documents) by the University of Warsaw for realising my recruitment process.

If your documents include data as mentioned in Art. 9 section 1 of the GDPR (special categories of personal data), processing shall be possible upon your consent to processing such data⁴ which may take the following wording:

I agree to the processing of special categories of personal data, as mentioned in Art. 9 section 1 of the GDPR, provided in ................. (e.g. CV, cover letter, and other submitted documents) by the University of Warsaw for realising my recruitment process.

The University of Warsaw shall be also processing your personal data in future recruitment processes upon your consent⁵ which may take the following wording:

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¹ Art. 22¹ of the law of June 26, 1974 Labour Code (i.e. Journal of Laws 2019 item 1040 with subsequent changes);
² Art. 6 section 1 letter b of the Regulation of the European Parliament and the Council (EU) 2016/679 of April 27, 2016 on protection of individual persons with regard to the personal data processing and on the free flow of such data, and also repealing Directive 95/46/EC (general regulation on data protection) (Official Journal EU L 119 of 04.05.2016, page 1, with subsequent changes) (hereinafter as the GDPR);
³ Art. 6 section 1 letter a of the GDPR;
⁴ Art. 9 section 2 letter a GDPR;
⁵ Art. 6 section 1 letter a GDPR;
I consent to processing of my personal data for the purposes of any future recruitment processes at the University of Warsaw for the period of the next nine months.

You may revoke all such consents at any time by, for example, sending an email at: mgoryca@fuw.edu.pl.

Be advised that the revocation of your consent does not affect legal compliance of processing which had been completed upon consent before its revocation.\(^6\)

**Data retention period**

Your personal data collected in this recruitment process shall be stored over the period of three months from the date the recruitment process is completed.

In case you agree to process your data in future recruitments, your data shall be used over the period of nine months.

**Data recipients**

Officers authorized by the Controller shall have access to your personal data, the processing of which is in the scope of their duties.

Recipients of personal data may be other subjects obligated by the Controller to provide specific services involving data processing, like

.................................................................
(name all recipients of data)

**Data transfer outside the European Economic Area (EEA)**

Your personal data shall be disclosed to subjects authorized by law. Signing-in is through Google Forms. Your personal data may be also processed by our provider of G-Suit for education by Google Company in their data processing centres.\(^7\) Your data shall be protected under the standards of the Privacy Shield, accepted by the European Commission.\(^8\) This shall guarantee an adequate level of data security.

**Rights of the data subject**

Under the GDPR data subjects have the following rights:

- to access data and to receive copies of the actual data;
- to correct (rectify) your personal data;
- to restrict processing of personal data;
- to erase personal data, subject to provisions of Art. 17 section 3 of the GDPR;
- to file a claim with the President of the Personal Data Protection Office, if you believe data processing violates law.

**Information on the requirement to provide data**

Providing your personal data in the scope resulting from law is necessary to participate in the recruitment process. Providing other personal data is voluntary.

.................................................................     .................................................................
place and date                          applicant’s signature

\(^6\) Art. 7 section 3 GDPR;

\(^7\) https://www.google.com/about/datacenters/inside/locations/index.html

\(^8\) https://www.privacyshield.gov