

JOB OFFER

PhD short term student stipend in SONATA Bis project financed by the National Science Centre – 1 position

Project title: Complex Entangled States: Analysis and production

Project leader: prof. Dr hab. Marcin Wieśniak

Institution: Institute of Theoretical Physics and Astrophysics, University of Gdansk – Gdańsk

Application deadline: 14.09.2024, 00:00

Requirements:

1. An applicant must already be a Ph. D. student at the University of Gdask
2. MSc degree in physics, computer science or mathematics.
3. Interest in foundations of quantum information or solid state physics.
4. Basic knowledge of the quantum-mechanical formalism and programming in C++, Python, or a similar programming language appreciated.

Required documents:

All required documents should be prepared in English and sent to: marcin.wiesniak@ug.edu.pl
subject: PhD application

1. Cover letter (including details about research interests);
2. Curriculum vitae;
3. Contact details of a previous supervisor or another scientist who can provide a reference for the candidate;
4. Documents confirming scientific degrees (copy of diploma);

Description of the tasks:

The selected Ph. D. student will participate in calculations concerning quantum-mechanical properties of ferrimagnetic spin arrays in order to establish or falsify presence of quantum correlations in thermal states of these bodies. Various methods of approximating ground and thermal states of bulk systems, such as the variation method or DMRG may be used. Upon receiving interested results, the selected Ph.D. student is expected to collaborate on writing a manuscript describing them.

Job benefits:

1. Monthly stipend :.... gross
2. Starting date: about 01.10.2024
3. Maximum period of contract: 6 months
4. Scientific and organizational support;
5. Basic equipment and core facilities;
6. Friendly, inspiring, interdisciplinary environment of the Institute for Theoretical Physics and Astrophysics (IFTiA) at UG.

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Name and surname

I hereby give consent for the University of Gdansk to process my personal data as contained in application documents for the purposes of the competition process for the position of a PhD student offered by the Institute of Theoretical Physics and Astrophysics of the University of Gdansk in accordance with the general regulation of 27 April 2016 on the protection of personal data.

Moreover, I declare that I have been informed as to the option of withdrawing my consent at any moment and that withdrawal shall not interfere with the legality of the processing conducted on the basis of my consent prior to the withdrawal.

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date and signature

In accordance with the general regulation of 27 April 2016 on the protection of personal data, hereinafter referred to as GDPR, we wish to inform you that:

1. The Administrator of your personal data is the University of Gdansk, with its seat at (80-309) Gdansk, ul. Jana Banking 8.
2. The Administrator has appointed a Data Protection Officer who may be contacted on the following telephone number: +48 58 523 31 30, +48 58 523 24 59 or e-mail address: iod@ug.edu.pl.
3. Your personal data shall be processed for the purposes of the recruitment process for the position of a PhD student offered by the International Centre for Theory of Quantum Technologies of the University of Gdansk.
4. The legal basis for processing your personal data for the purposes of recruitment shall be Article 6 Section 1 Point c of the GDPR, with processing being necessary for the fulfilment of a legal obligation to which the Administrator is subject, particularly Article 118a of the Law on Higher Education as well as Article 221 of the Labour Code. The condition legalising the processing of personal data provided voluntarily by the candidate, which is beyond the scope of data referred to in Article 221 of the Labour Code, shall be Article 6 Section 1 Point a of the GDPR – consent by the data subject.
5. Providing your personal data, subsequent to the decision to enter the recruitment process, is obligatory within the scope defined by Article 221 of the Labour Code and the Law on Higher Education and determines the possibility of applying for work as well as possible further employment. In the case of personal data which is beyond the scope of the aforementioned legal regulations, providing your data is voluntary but it does determine the possibility of participating in the recruitment process.
6. Your personal data shall be processed on behalf of the data administrator by authorised personnel purely for the purposes referred to in Point 3.
7. Your personal data shall be stored for a period of time necessary for the fulfilment of the aims referred to in Point 3. Should the recruitment outcome prove negative, your data shall be removed immediately at the completion of recruitment, unless otherwise provided by the record-keeping regulations – then for a period of time specified in these regulations.

8. Your personal data shall not be shared with external entities with the exception of cases provided for by legal regulations. Should you submit your application documents in electronic form, the recipient of your data may be an entity acting on behalf of the administrator i.e. a mail service operator.

9. Under the terms of the GDPR, you shall be entitled to:

- a. the right to access your data,
- b. the right to rectify it if factually incorrect,
- c. the right to remove or restrict the processing of the data as well as the right to data portability – in cases prescribed by the law,
- d. the right to object to the processing of the data,
- e. the right to file a complaint with the supervisory authority – the President of the Personal Data Protection Office, should you consider that the processing of your personal data violates personal data protection regulations.

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date and signature