

Call for Postdoctoral position in the field of ultracold atomic gases and nuclear theory

Job Description:

The successful candidate will be investigating dynamical properties of strongly interacting fermionic superfluids being far from equilibrium state. In particular, he/she is expected to pursue studies of dynamics of quantum atomic gases (vortex and soliton dynamics, quantum turbulence) and/or dynamics of neutron star interiors, within the framework of the density functional theory, in particular with its time dependent version. Inevitably, high performance computing (HPC) will be essential part of the researches. Presently we use one of the fastest computing systems, like Piz Daint (CSCS, Switzerland), Summit (ORNL, USA) and Tsubame3.0 (GSIC Center, Japan). The candidate will be also partly involved in the software development for such systems. The position assumes also very strong collaboration with our partners from USA and Japan.

The successful candidate will be employed as a research assistant professor within the project: *Investigation of quantum turbulence in strongly correlated Fermi systems* (National Science Center grant), for a minimum period of 12 months, which can be extended up to 24 months.

Requirements:

Applicants must have a Ph.D. degree, or foreign equivalent, and a strong record of published research in condensed matter theory or in nuclear theory. We are looking for a candidate with knowledge of methods of many body quantum mechanics and possessing programming skills in C or Fortran. Knowledge of MPI or CUDA as well as experience with supercomputing will be an advantage.

Employment status: Full-time, position should start around end of 2020, preferably in September 2020 (precise date will be decided together with successful candidate)

Salary: Depends on qualifications. From 8,000 to 10,000 PLN per month (before taxes).

Application details:

The applications including CV, publication list and research statement should be submitted to ntg@fizyka.pw.edu.pl. Please include the subject 'postdoc' in your email. At least one recommendation letter send by an external researcher is expected.

Application deadline: The process of collecting applications and screening candidates will be continued till successful candidates are selected but not later than **July 31, 2020**.

Please include in your application the following statement: "I hereby give consent to process my personal data included in the offer, for the purposes of the recruitment procedure, in accordance with the Personal Data Protection Act dated 29.08.1997 (Consolidated text: Journal of Laws of the Republic of Poland, 2016, item 922, as amended)".

Contact:

For more information contact Gabriel Wlazłowski,
email: gabriel.wlazlowski@pw.edu.pl

To get more information about the group profile visit:
<http://wlazlowski.fizyka.pw.edu.pl>

Notice on protection of personal data:

Pursuant to Article 13 of the Regulation of the European Parliament and of the Council (EU) 2016/679 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 (hereinafter referred to as: "GDPR"), we inform you that:

- The Warsaw University of Technology, Pl. Politechniki 1, 00-661 Warszawa, Poland (further referred to as the „University”), is the administrator of your personal data. For further details on personal data processing you can contact the data protector officer: iod@pw.edu.pl
- Personal data of the candidates are processed for the purposes of carrying out the recruitment procedure.

- Members of the relevant recruitment committees are recipients of the personal data of the candidates.
- Personal data of the candidates will be processed until the recruitment procedure is concluded. Access to your personal data may have companies that Warsaw University of Technology commissions to perform activities that involve the processing of personal data. Your data will be deleted after 6 months.
- The candidates have the right to request from the University access to their personal data and the right to amend them.
- The candidate may at any moment withdraw the consent to process personal data. The data will then be irretrievably and effectively destroyed, so that they can no longer be accessed or reconstructed by any means, and the candidature shall not be further taken into account in the recruitment procedure.
- In any case, the candidate has a right to file complaint to the Inspector General for the Protection of Personal Data, Stawki 2, 00-193 Warszawa, Poland, phone: (+48) 22 531 03 00, fax: (+48) 22 531 03 01, e-mail: kancelaria@giodo.gov.pl