



Job ID: #JOB 73/2021

Job Description

Job Title: Postdoc in theory of exciton-polaritons

Job Summary:

Institute of Physics, Polish Academy of Sciences calls for applications for an open Postdoc position in the OPUS research project funded by the National Science Centre (NCN).

The Postdoc will be involved in the development of theoretical understanding of exciton-polaritons systems, studying areas such as optical topological phases and/or optical neural networks.

Job Description:

Exciton-polaritons are quantum quasiparticles composed of photons, electrons and holes existing in semiconductor systems. The combination of these components allows to exploit the best properties of light and matter: strong interactions mediated by the exciton component, and excellent transport properties of light. This makes exciton-polaritons excellent candidates for quantum simulators, topological lasers, and for applications in optical computing. In our group, we develop theoretical and numerical descriptions of these systems to gain fundamental understanding of quantum phenomena and to propose practical applications. We closely collaborate with leading theoretical and experimental groups active in this field.

Group website: www.ifpan.edu.pl/polariton

Profile of candidates for the Postdoc position:

1. A PhD degree (or PhD thesis submitted), obtained no earlier than 7 years before the beginning of the contract (calculated according to the official rules of NCN, resolution of NCN 26/2015 from 12 march 2015.),
2. Theoretical background in a related field, preferably in exciton-polariton physics, demonstrated by publications,
3. Experience in numerical modeling,
4. Ability to work in a team as well as independently,
5. Fluent spoken and written English.

Main research field: Physics

Sub Research Field: Condensed matter physics

Career Stage: Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile ([details](#)): Recognised Researcher (R2)

Type of Contract: Temporary 7,5 months, with the possibility of extension

Status: Full-time

Salary: 10 0000 PLN per month (before taxes, employer's total cost).

Contact

More information can be obtained from prof. Michał Matuszewski (e-mail: mmatu@ifpan.edu.pl).

Application details

Application deadline: 15 March, 2022. **Applications after deadline are not considered.**

Required materials:

1. Curriculum Vitae
2. List of publications
3. Motivation letter
4. Contact data (e-mail) to at least two potential referees.
5. Consent to process your personal data (expressed on the form attached to this announcement)

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

DATA PROCESSING UNDER CONSENT FOR THE PURPOSES OF RECRUITMENT

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 of the provided personal data is the Institute of Physics of the Polish Academy of Sciences, Al. Lotników 32/46, 02-668 Warsaw, phone (22) 116-2111, e-mail director@ifpan.edu.pl.
2. Contact details to the Data Protection Officer are as follows: e-mail iodo@ifpan.edu.pl
3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of
4. Processing of your personal data in scope of: full name, date of birth, correspondence address, information about education and course of past employment shall take place under Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code. In the scope in which you sent to us more personal data than indicated above, we process your data under the consent granted by you.
5. Your personal data shall be stored for 1 month from completion of the recruitment process. If you grant consent for processing of personal data for future recruitments, we shall process your data until withdrawal of the consent by you, however, no longer than for the period of 6 months from the day of submittal of the application by you.
6. Provision of the abovementioned data in the scope indicated above is a statutory requirement resulting from Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code, in the remaining scope it is voluntary. Failure to provide the data referred to in Art. 22¹ § 1 of the Act of 26 June 1974 - Labour Code precludes consideration of your candidacy for the offered position.
7. You have the right to access your personal data, to rectify them, erase them, restrict their processing.
8. You may submit a complaint to the Inspector General for the Protection of Personal Data.
9. You have the right to withdraw the consent to process your personal data in the scope in which they were provided at any time. Withdrawing the consent does not affect the lawfulness of processing carried out on the basis of consent before its withdrawal.

Consent content:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents for the purpose of carrying out the recruitment process for the position of

If you want us to consider your candidacy also in the future recruitment processes, please grant the additional consent:

I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents in future recruitment processes taking place during 6 months from the day of appearance of this job advertisement.