FORM FOR EMPLOYERS

INSTITUTION	**UNIVERSITY OF WARSAW, FACULTY OF PHYSICS**
CITY	**WARSAW, POLAND**
POSITION	**Post-doctoral research associate**
GROUP	**research adjunct**
DISCIPLINE	**Physics (optics, quantum information)**
NUMBER OF POSITIONS	**1**
POSTED	**13.07.2022**
EXPIRES	**15.09.2022**
WEBSITE	**www.fuw.edu.pl, photon.fuw.edu.pl**
KEY WORDS	quantum optics, femtosecond pulse shaping, single photon generation and detection, quantum metrology.

DESCRIPTION: We are looking for a highly motivated post-doc to work within the project "Phase-only shaping of quantum light pulses for applications in quantum technologies". The goal of the project is to implement low-loss spectral-temporal transformations of the quantum state of single-photon light pulses. The transformations will be implemented using non-linear optics and electro-optics methods. We will develop their applications within quantum technologies, including photonic quantum network interfaces, quantum information processing and quantum metrology of time and frequency.

There are several possible roles you can take in the project, depending on your experience and interests: from theoretical conceptual work on time and frequency metrology, through investigating optimal sequences of spectral transformations, to experimental implementation of spectral transformations and their applications, including spectral shaping of single photons from solid-state emitters.

The project is carried out at the Quantum Photonics Lab of the Faculty of Physics, University of Warsaw (http://photon.fuw.edu.pl) and funded within the First Team programme of the Foundation for Polish Science. We offer employment in a young international team, at the forefront of current research activities within quantum optics, at the interface of theory and experiment, for a competitive salary. Employment duration is up to 12 months.

Faculty of Physics of the University of Warsaw is the top physics research institution in Poland, ranked within the top 100 physics research institutes in the world. We are a part of the strong local quantum optics and quantum information research community. The project is carried out in active collaboration with teams from the Optoelectronics Research Centre of the University of Southampton (UK), Laboratoire Kastler Brossel of the Sorbonne University in Paris (France) and the Saarland University (Germany).

Employment conditions
The work will be carried out at the Institute of Experimental Physics at the Faculty of Physics of the University of Warsaw under the supervision of dr Michał Karpiński. Emplyment duration up to 12 months, full-time.

We offer a competitive salary according to the guidelines of the Foundation for Polish Science.

Requirements:
You must be holding a PhD degree obtained not earlier than 4 years before the year of the beginning of the employment in the project, excluding parental leaves etc., or be at the final stage of your PhD proceedings, such that you will be able to present a proof of your PhD degree before the start of employment.

You are expected to have 2+ years of research experience in at least **one** of the following areas:
1. Theoretical or experimental optics of ultrashort pulses of light; shaping and / or characterization of ultrashort pulses of light; or
2. Theoretical or experimental quantum photonics and/or quantum metrology; or
3. Generation of single photons from solid-state emitters, single photon detection.

You are expected to be able to easily communicate in English, both written and spoken.

The candidates have to conform to the conditions stated in art. 113 of Higher Education Law dated 20.07.2018 (Journal of Laws of the Republic of Poland 2022, item 574).

Key responsibilities:

- Carrying out theoretical and/or experimental research
- Numerical modelling
- Collaboration with other research team members, including student co-supervision
- Collaboration with international research partners
- Writing research publications and reports
- Presenting and participating in national and international

To apply you should send the following documents by email to michal.karpinski [at] fuw.edu.pl in the form of a single archive containing the following PDF files (e-mail subject: "Postdoc First Team"):
1. Cover letter. *You should provide a scanned copy of the signed document in pdf format,*
2. Copy of your doctoral diploma or a statement on the planned date of obtaining the PhD degree.
3. Curriculum vitae, including a list of publications (please indicate your most important achievement)
4. Information on the processing of personal data – information clause and consent clause – attachment 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 – *in pdf format with a scanned signature.*
5. Statement on reading and accepting the rules for job applications for a position of an academic teacher at the University of Warsaw (available on the website https://www.fuw.edu.pl/dokumenty-i-formularze.html) – *in pdf format with a scanned signature.*

In addition, you should ask two independent researchers to send a referral letter for you directly to michal.karpinski [at] fuw.edu.pl. The names, contact details (phone number, e-mail address) and affiliations of the Referees should be indicated in the application documents.

The application deadline in is midnight **15 September 2022.**

To submit a successful formal application all the above listed documents need to be submitted by means of a single e-mail message with pdf attachments to the address: michal.karpinski [at] fuw.edu.pl, before the application deadline. The title of the email message should include the phrase "PostDoc First Team 2022".

Informal enquiries may be directed to Dr Michał Karpiński, michal.karpinski [at] fuw.edu.pl

You may be asked for an interview with the recrutiment commission appointed by the Dean of the Faculty of Physics, University of Warsaw. All candidates will be informed about the results of their application by e-mail.

The recruitment procedure will be concluded before 30 Septmeber 2022. The employment start date will fall after the conclusion of the procedure, and may be agreed between you and the Faculty. If you are selected for employment, you will need to provide originals of the application documents, as well as additional documents, including a formal application for employment.

Selected candidates may be invited for an interview with the recruitment commission appointed by the Dean of the Faculty. All candidates will be informed about the results of their application by e-mail.

This announcement is the first step in the procedure of employing an academic teacher. Its positive result will form the basis for further steps of the procedure.

…………………………………………
Name and surname

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 law[1] *(given name (names) and family name, date of birth, contact information as provided, education, professional qualifications, previous employment)* for the purposes of this recruitment process[2], whereas other data[3] 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 data[4] 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.*

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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;

The University of Warsaw shall be also processing your personal data in future recruitment processes upon your consent[5] which may take the following wording:

> *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 ………………………………… (email address due for the recruitment process).

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 members of the competition committee.

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

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[5] Art. 6 section 1 letter a GDPR;

[6] Art. 7 section 3 GDPR;

[7] https://www.google.com/about/datacenters/inside/locations/index.html

[8] https://www.privacyshield.gov