

## JOB OFFER

Position in the project:	Student
Scientific discipline:	Physics (quantum optics/ photonics)
Job type (employment contract/stipend):	Stipend
Number of job offers:	1
Remuneration/stipend amount/month:	Stipend 1500 PLN/month (net)
Position starts on:	1 January 2021
Maximum period of contract/stipend agreement:	19 months
Institution:	Faculty of Physics, University of Warsaw
Project leader:	Dr Michal Karpinski
Project title:	Phase-only shaping of light pulses for applications in quantum technologies <b><i>The project is carried out within the FIRST TEAM programme of the Foundation for Polish Science</i></b>
Project description:	Optical pulses form the backbone of photonic technologies. Their key characteristics are their temporal profile and their frequency spectrum. Experimentally, only one of these two parameters can be easily accessed, due to the incompatibility of time and frequency resolutions of detection and manipulation devices. The power of quantum mechanics lies in the superposition principle: if two states of a system are valid quantum states, then their superposition is also a valid quantum state. The emerging quantum technologies are based on the ability to create, manipulate and detect quantum superpositions, which relies on the ability to access conjugate variables, such as the time and frequency for single-photon pulses. In our project we develop cutting edge experimental tools to access temporal and spectral characteristics of quantum light pulses. We manipulate and detect spectral-temporal quantum superpositions, and are working to demonstrate their applications in quantum networks and metrology. The project is carried out in close collaboration with international partners from the <b>UK</b> (Opotelectronics Research Centre, University of Southampton), <b>Germany</b> (Saarland University), <b>Austria</b> (University of Innsbruck) and <b>France</b> (Sorbonne University in Paris).
Key responsibilities include:	Numerical simulations of unitary transformations of optical pulse spectrum and temporal profile and/or Experimental work on time-frequency transformations of optical pulses using electro-optic phase modulation
Profile of candidates/requirements:	<ol style="list-style-type: none"> <li>1. you are enrolled as a student in physics (or a related discipline)</li> <li>2. you have interest in the topic of the project and understand key quantum optics and/or</li> </ol>

	<p>experimental optics concepts (commensurate with level of education)</p> <p>3. you are able to communicate in English (written and spoken)</p>
Required documents:	<ol style="list-style-type: none"> <li>1. Cover letter</li> <li>2. Curriculum vitae</li> <li>3. Academic transcripts from BSc and MSc studies</li> </ol> <p>Due to the entry into force of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, please include a clause expressing your consent to the processing of your personal data by the University of Warsaw for the purpose of carrying out the recruitment process in your application documents.</p>
We offer:	<ul style="list-style-type: none"> <li>• Work at the forefront of current research activities in optical quantum technologies</li> <li>• Access to a state-of-the-art equipped laboratory</li> <li>• Hands-on training</li> <li>• Joining a friendly research team</li> <li>• Collaboration with excellent international partners, including the possibility of research visits.</li> </ul>
Please submit the following documents to:	<p>The documents should be submitted by email to: <a href="mailto:michal.karpinski@fuw.edu.pl">michal.karpinski@fuw.edu.pl</a> as a single attachment (e.g. a single zip-archive).</p>
Application deadline:	<p>11 th December 2020, 11.59 pm Central European Time (GMT+1)</p> <p>Selected candidates will be invited to an interview which will be carried out at the Faculty of Physics of the University of Warsaw on 16 th December 2020, in person or via Skype.</p>
For more details about the position please visit (website/webpage address):	<p><a href="http://photon.fuw.edu.pl">http://photon.fuw.edu.pl</a></p>
Euraxess job/stipend offer (in case of PhD and postdoc positions):	

.....  
given and family name

## 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](mailto: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<sup>1</sup> (*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<sup>2</sup>, whereas other data<sup>3</sup> 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<sup>4</sup> which may take the following wording:

---

<sup>1</sup> Art. 22<sup>1</sup> of the law of June 26, 1974 Labour Code (i.e. Journal of Laws 2019 item 1040 with subsequent changes);

<sup>2</sup> 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);

<sup>3</sup> Art. 6 section 1 letter a of the GDPR;

<sup>4</sup> Art. 9 section 2 letter a GDPR;

*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 consent<sup>5</sup> 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.*<sup>6</sup>

#### **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.<sup>7</sup> Your data shall be protected under the standards of the Privacy Shield, accepted by the European Commission.<sup>8</sup> 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;*

---

<sup>5</sup> Art. 6 section 1 letter a GDPR;

<sup>6</sup> Art. 7 section 3 GDPR;

<sup>7</sup> <https://www.google.com/about/datacenters/inside/locations/index.html>

<sup>8</sup> <https://www.privacyshield.gov>

- 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