

JOB OFFER

Position in the project:	Postdoc
Scientific discipline:	Theoretical quantum optics and quantum information science: <i>Fundamental properties of quantum systems and their applications in quantum technologies.</i>
Job type (employment contract/stipend):	Employment contract
Number of job offers:	1
Remuneration/stipend amount/month (<i>“X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN”</i>):	10 000-15 000 PLN of full remuneration cost, i.e. expected net salary 5 800-8 700 PLN
Position starts on:	1. December 2019
Maximum period of contract/stipend agreement:	2 years
Institution:	Centre for New Technologies (CeNT) http://cent.uw.edu.pl/en/ University of Warsaw
Project leader:	Prof Konrad Banaszek
Project title:	Quantum Optical Technologies <i>Project is carried out within the IRAP programme of the Foundation for Polish Science</i>
Project description:	<p>Successful candidates will work in the team of Dr. Alexander Streltsov on one of the following topics:</p> <ul style="list-style-type: none"> - Quantum resource theories: exploring fundamental features of quantum systems, such as quantum entanglement, coherence, and quantum thermodynamics. Addressing questions such as the state conversion problem, quantifying resource costs for quantum process implementation. - Quantum communication and quantum computation: application of quantum resource theories to quantify resource consumption in quantum communication protocols and to detect quantum features required for noisy quantum computation. - Open quantum systems: application of quantum entanglement and coherence to detect and quantify memory effects in open quantum systems.
Key responsibilities include:	<ol style="list-style-type: none"> 1. Performing research on quantum resource theories, quantum communication and computation, and open quantum systems. 2. Preparation and dissemination of the research results at international workshops and conferences.
Profile of candidates/requirements:	Candidates should have a PhD degree in physics or related area, and have research expertise in at least one of the following topics: quantum resource

	<p>theories, quantum communication, quantum computation, open quantum systems</p> <p><i>University of Warsaw</i> strongly values the diversity of candidates and is very committed to the equality of opportunity: http://en.uw.edu.pl/about-university/mission-statement-strategy</p>
Required documents:	<ol style="list-style-type: none"> 1. Motivation Letter 2. Current curriculum vitae 3. Research record 4. Contact details of at least two senior researchers familiar with candidate's work <p>To allow us to process your data, please include the consent clause for processing of personal data in your application.</p>
We offer:	<p>Participation in an exciting research program conducted within a newly established centre with high scientific expectations and goals.</p> <p>Work within Quantum Resources and Information Lab, led by Dr. Alexander Streltsov, yet in close collaboration with theoretical and experimental groups within the Centre for Quantum Optical Technologies, as well as other research teams specialising in quantum theory and its implementations within Warsaw's research community: http://quantum-warsaw.pl/.</p> <p>An open and friendly research environment with access to all the facilities available within the <i>Centre of New Technologies</i> (CENT)—an interdisciplinary research institute established within the <i>University of Warsaw</i> to gather international researchers of different backgrounds and experience, in order to conduct state-of-the-art research in biological, chemical and physical science: http://cent.uw.edu.pl/en/.</p> <p>Close collaboration with foreign institutions, with the necessary financial support of travels and scientific visits.</p>
Please submit the following documents to:	E-mail address: a.streltsov@cent.uw.edu.pl
Application deadline:	October 9, 2019
For more details about the position please visit (website/webpage address):	http://qot.uw.edu.pl/qri-lab/
Euraxess job/stipend offer (in case of PhD and postdoc positions):	...Field completed by SEKRETARIAT...

INFORMATION CLAUSE

Pursuant to Article 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council 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 Regulation), University of Warsaw hereby informs:

1. The Controller of your personal data is the University of Warsaw with its registered office at Krakowskie Przedmieście 26/28, 00-927 Warszawa;
2. The Controller has designated the Data Protection Officer who supervises the processing of personal data, and who can be contacted via the following e-mail address: iod@adm.uw.edu.pl;
3. Your personal data will be processed for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw;
4. The provided data will be processed pursuant to Article 221 § 1 of the Act of 26 June 1974 Labor Code (uniformed text: Dz.U. of 2018, item 917) and your consent for processing of personal data;
5. Provision of data in the scope stipulated in the Labor Code is mandatory, and the remaining data are processed according to your consent for processing of personal data;
6. The data will not be shared with any external entities;
7. The data will be stored until you withdraw your consent for processing of personal data;

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8. You have the right to access your personal data, to rectify, erase them, restrict their processing, object to processing, and to withdraw the consent at any time;
 9. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data.
 10. Your application will be archived and stored for auditing purposes.
 11. The name of the selected candidate/s will be made public on the CeNT UW website in accordance with the requirements of the funding agency.

CONSENT CLAUSE

To allow us to process your data, please include the following statement in your application:

"I hereby consent to have my personal data processed by the University of Warsaw with its registered office at ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw.

I have been informed of my rights and duties. I understand that provision of my personal data is voluntary."

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(place and date)

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(signature of the person applying for employment)