

CeNT-32-2024

## JOB OFFER

Position in the project:	Technology Officer
Scientific discipline:	Physical sciences
Job type (employment contract/stipend):	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> ):	The remuneration will depend on the candidate's qualifications and experience and is expected in the range 15 000 – 25 000 PLN of average full remuneration cost per month (including "thirteenth salary" bonus).
Position starts on:	04.11.2023 or later
Maximum period of contract/stipend agreement:	Until 30.09.2029
Institution:	Centre of New Technologies, University of Warsaw
Head researcher:	Professor Konrad Banaszek
Project title:	Quantum Optical Technologies (qot.uw.edu.pl)  Project is carried out within the International Research Agendas Programme of the Foundation for Polish Science
Project description:	The project aims to develop quantum signal processing technologies in the optical domain. It is recognised that standard approaches work well for classical signals, e.g. well defined complex waveforms defined as a function of position or time, and the noise is treated as an addition. In contrast, quantum signal processing describes the signal as a multimode quantum state of, for example, an electromagnetic field in the appropriate frequency band. This opens up a wide spectrum of new approaches to signal synthesis, e.g. the use of non-classical states of light, signal manipulation, e.g. by engineering the interaction with the test object and signal analysis by carefully designing the detection to maximize the amount of information obtained. The unified approach of quantum signal processing will be applied to various problems in communication, detection, imaging, spectroscopy, etc.
Key responsibilities include:	i. Coordination of innovation activities conducted in the project; ii. Contributing to the innovation strategy of the unit implementing the project; iii. Identifying relevant intellectual property and suitable approaches for its protection; iv. Facilitating and supporting development of relationships with industrial entities v. Facilitating development of innovation competences for personnel implementing the project; vi. Reporting related to the implementation to the project; vii. Assistance in preparation of funding proposals

Profile of candidates/requirements:	<p>i. A higher education degree;</p> <p>ii. Good written and oral communication skills in English;</p> <p>iii. Good group/collaborative work skills and self-motivation;</p> <p>iv. Prior industrial experience and/or experience in protecting Intellectual Property Rights will be considered an additional advantage;</p> <p>v. Knowledge of the field of quantum optical technologies, as well as Polish, European, and global markets will be considered an additional advantage.</p> <p>University of Warsaw strongly values the diversity of candidates and is very committed to the equality of opportunity: <a href="http://en.uw.edu.pl/about-university/mission-statement-startegy/">http://en.uw.edu.pl/about-university/mission-statement-startegy/</a></p>
Required documents:	<p>1. Curriculum vitae;</p> <p>2. Motivation letter;</p> <p>3. Supporting statement specifying how the candidate meets the search criteria and can contribute to the implementation of the project;</p> <p>4. Consent clause for processing personal data in the application process, signed and scanned, or electronically signed, that can be downloaded from <a href="https://got.cent.uw.edu.pl/career/">https://got.cent.uw.edu.pl/career/</a>.</p> <p>5. Declaration confirming that the candidate has read and accepted the rules of Internal Reporting Procedure, signed and scanned or electronically signed, that can be downloaded from <a href="https://got.cent.uw.edu.pl/career/">https://got.cent.uw.edu.pl/career/</a></p> <p>(Documents should be sent as pdf files attached to a single e-mail message).</p>
We offer:	<p>1. Involvement in an exciting research program conducted within a rapidly developing scientific area;</p> <p>2. Work in close collaboration with theoretical and experimental groups in an open and friendly environment;</p> <p>3. Close collaboration with foreign institutions, in particular, with the University of Oxford (UK) and the Technical University Eindhoven.</p> <p>4. Opportunities to personal development related to this position such as best practices exchanges with foreign partners.</p>
Please submit the following documents to:	E-mail address: <a href="mailto:got-jobs@cent.uw.edu.pl">got-jobs@cent.uw.edu.pl</a> Please use "Technology Officer application" in the title of the message
Application deadline:	21.10.2024
Programme	Measure 2.1 International Research Agendas (hereinafter referred to as IRAP), funded by the European Regional Development Fund from the European Funds for a Smart Economy (FENG) 2021 - 2027 programme
For more details about the position please visit (website/webpage address):	<a href="https://got.cent.uw.edu.pl/">https://got.cent.uw.edu.pl/</a>