

JOB OFFER

Position in the project:	Student
Scientific discipline:	Experimental Quantum Optics and Atomic Physics
Job type (employment contract/stipend):	Scholarship
Number of job offers:	5
Remuneration/stipend amount/month (“X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN”):	1500 – 2500 PLN gross/month, tax exempt
Position starts on:	01.07.2023 or later
Maximum period of contract/stipend agreement:	until the end of 2023
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Professor Konrad Banaszek
Project title:	Quantum Optical Technologies (qot.uw.edu.pl) Project is carried out within the International Research Agenda Programme of the Foundation for Polish Science
Project description:	Successful candidates will work in the Quantum Optical Devices Laboratory (http://qodl.cent.uw.edu.pl/join-us/) or in Quantum Memories Laboratory (http://qot.cent.uw.edu.pl/qm-lab/). Applicants are strongly encouraged to visit the laboratory , discuss their particular interests and resolve doubts. Make an appointment with us at m.parniak@cent.uw.edu.pl .
Key responsibilities include:	Depending on experience and capacity you will be given the opportunity to join some of the lab activities and gather hands-on experience with the project of their choice within the broad span of scientific and technical tasks. All tasks will be coordinated with group effort and performed under supervision of senior members. Examples include: <ol style="list-style-type: none">1. Providing technical support for the laboratory activities2. Writing python scripts - automating laboratory devices and measurements - extending user interfaces3. Construction of optical setups including basic measurements4. Performing calibrations and measurements and checking their correctness.5. Simulation of physical systems and extraction of theoretical conclusions.

	<p>6. Construction of electronics, building test setups</p> <p>7. Preparation of the documentation for future optical or electronics experiments : defining specifications of optical components and assemblies, matching COTS components, contacting vendors and discussing custom specifications with them.</p>
<p>Profile of candidates/requirements:</p>	<p>All candidates are required to have a student status for the duration of the scholarship - preferably by June 2023 and no later than October 2023 - and come in person to the laboratory - in case of maximal scholarship for 20 hours a week.</p> <p>The scholarship will be awarded primarily to students willing to engage solely with us. Based on experience, we advise against engaging in more than one project at a time, except for the core curriculum of your field of study at the university. In particular, we expect that the recipients of the scholarship who are at the stage of completing their diploma theses will do so in our laboratory.</p> <p>Candidates should be able to document their experience/projects in at least one of the fields: optical physics/photonics, electronics, python or other scripting language, labview, mathematica, commensurate with the education level of the candidate.</p> <p>Candidates must be willing to learn: this includes core science, supporting technologies as well as communication and administrative skills and documenting their work.</p> <p>University of Warsaw strongly values the diversity of candidates and is very committed to the equality of opportunity.</p>
<p>Required documents:</p>	<ol style="list-style-type: none"> 1. Curriculum vitae with documentation concerning completed projects, e.g. report or other documentation concerning electronics or programming or optical projects or other physics projects completed so far for starting students: hobby projects or description of their particular interests, 2. Academic transcript 3. Consent clause for processing personal data in the application process, signed and scanned, or electronically signed, that can be downloaded from http://qot.cent.uw.edu.pl/positions/ 4. Optionally: contact details of researcher familiar with candidate's work 5. Fill in the questionnaire at https://forms.gle/u5gn669GXR5UvW417
<p>We offer:</p>	<p>Wide range of opportunities to acquire hands-on experience with complex quantum optical setups; to see and use modern electronics and numerous building blocks of emerging technologies.</p> <p>Participation in an exciting research program conducted within a newly established centre with significant scientific output, high expectations and goals.</p> <p>We are committed to helping young students navigate their way through career choices and countless options. You will learn first hand what it takes to make science and what could be in store for you in the future, with plenty of examples to follow.</p>

Please submit the following documents to:	Please fill in the questionnaire at https://forms.gle/u5gn669GXR5UvW417 and send the application via email to got-jobs@cent.uw.edu.pl
Application deadline:	16.06.2023
FNP programme	International Research Agenda Programme
For more details about the position please visit (website/webpage address):	https://cent.uw.edu.pl/pl/kariera/student-cent-31-2023/