https://ictqt.ug.edu.pl/job/offer-ictqt-2026-6/

Post-doc position for the MoDIC project, offer no. ICTQT_2026_6

Hiring organization
International Centre for Theory of Quantum Technologies

Employment Type
Full-time

Beginning of employment
September 1st, 2026. The starting date is negotiable.

Duration of employment
7 months

Salary
up to PLN 12 000 (monthly gross salary, depending on professional experience)

Job Location
prof. Marii Janion 4, 80-309, Gdańsk, Poland

Date posted
2026-06-15

Valid through
16.07.2026

Results
competition results

Description
We are looking for **a Post-doctoral Researcher (adjunct)** to work in the International Centre for Theory of Quantum Technologies (ICTQT) hosted by the University of Gdańsk. The position is offered in the Quantum Cybersecurity and Communication Group (QCC) led by **Marcin Pawłowski** within the MoDIC project.

The MoDIC project entitled “Modern Device Independent Cryptography” (contract number UMO-2023/05/Y/ST2/00005) is financed under the CHIST-ERA Call 2022 program of the National Science Centre in Poland (NCN).

The goal of the post-doc will be to use expertise from the field of quantum optics and quantum information in order to advance on the research problems delineated in the description below.

About the “Modern Device Independent Cryptography (MoDIC) “project

One of the main issues hindering the progress in both: our understanding of the laws of the quantum world and their application in emerging technologies are the high requirements on the precision and efficiency of the necessary hardware. For experiments realized with photons (which are the most common in quantum information processing) the crucial requirement is the minimal efficiency of the detection, which is typically very high. The main aim of the project is to change this.

Keywords: device independent quantum information; quantum protocols; tests of nonclassicality; quantum cryptography; randomness generation.

Responsibilities

1. Actively conducting scientific research.
2. Presentation and discussion of ideas and results with a diverse audience at ICTQT and at external events.
3. Participation in seminars, group meetings, and other activities of scientific exchange.

Qualifications

1. PhD degree in physics, mathematics, computer science, or other relevant subject (PhD degree obtained no earlier than 2019).
2. The candidate should be interested in the research topic of the specific group to which they apply, and have a deep knowledge of the related science.
3. Good written and oral communication skills are appreciated.
4. Knowledge of English sufficient to enable free communication.
5. The candidate should be committed to working collaboratively within an

inclusive and diverse multicultural environment.

Required documents

1. filled-in recruitment form;
2. curriculum vitae;
3. A research resume with: a list of publications (if any), and a list of ongoing research projects (with specification of their role in the research if unclear); a list of talks at conferences and workshops (if any), and a list of academic prizes and awards (if any);
4. PDF files of (at most) three relevant papers by the candidate (or just web links, in the case of open access publications);
5. Motivation letter (including statement of current scientific interests) – up to 2 pages;
6. **Reference letters** for the candidate sent by two senior researchers (the candidate is expected to contact the referees and ask them to send reference letters directly to ictqt-careers@ug.edu.pl. The letters must be sent before the deadline for submitting applications);
7. Documents confirming academic degrees (a scan of a PhD diploma or a certificate of obtaining the title or confirmation of the planned date of defense (no later than 3 months from the date of announcement of the competition)).

NOTE: Before signing the employment contract, the person selected in the competition is requested to submit to the University of Gdansk the original of the PhD diploma. At the stage of employment, other documents will not be recognized.

Contacts

Job offer details, click here.
Recruitment form, click here.

Application deadline: July 16, 2026 CET (inclusively).

Contacts

Please submit the documents via email to ictqt-careers[at]ug.edu.pl, in the email subject, please include reference code: ICTQT_2026_6

Note

We would like to inform you that the University of Gdańsk has implemented an internal procedure for reporting violations of law and taking follow-up actions, which constitutes Annex No. 1 to Ordinance No. 85/R/24 of 17 September 2024. The procedure has been published in the Public Information Bulletin of the University of Gdańsk in the Legal Acts Database.