

**Director of the Institute of Theoretical and Applied Informatics
of the Polish Academy of Sciences
announces an open competition for a research assistant position in the
Quantum Systems of Informatics Group**

INSTITUTION: Institute of Theoretical And Applied Informatics, Polish Academy of Sciences

CITY: Gliwice, Poland

POSITION: research assistant (pol. asystent)

SCIENTIFIC DISCIPLINE: information and communication technologies

WORKING TIME: half-time

ANNOUNCEMENT DATE: 2025-09-01

SUBMISSION DATE: 2025-09-15

WEBSITE: www.iitis.pl

KEYWORDS: quantum computing; tensor and neural network.

DESCRIPTION: IITiS PAN offers an Assistant position in the Quantum Information Systems Group. The selected candidate will conduct research focused on the development of physics-inspired algorithms, quantum computing using tensor and neural networks. The position does not include teaching duties.

Requirements:

- Master's degree (pol. magister) in the fields of computer science, physics or mathematics;
- Proficiency in Python, including computational libraries such as Tensorflow, PyTorch, and NumPy, and experience with quantum technologies for computational solutions, confirmed by participation in projects, courses or using these technologies within the thesis;
- Very good knowledge of spoken and written English (min. B2 level) and Polish (min. B2 level);
- Ability to work effectively in a team.

Additional advantages:

- Practical engineering or research experience in implementing applications using tensor and neural networks,
- Experience in scientific projects,
- Completed domestic or international internships.

Required documents:

- Application;
- CV (with the note *“I consent to the processing by IITiS PAN of my personal data contained in my offer for the purposes necessary to carry out this recruitment process”*). Providing personal data in the competition is voluntary, but necessary to carry out the recruitment process;

- Graduation diploma;
- Statement that in case of employment, the IITIS PAN will be a primary location of my scientific activities, within the technical computer science and telecommunication discipline in accordance with the Act of 20 July 2018 – Law on Higher Education and Science;
- A statement stating that in the event of winning the IITiS PAN competition, I will declare the willingness to be included to the employees conducting scientific activities in the technical computer science and telecommunications discipline, in accordance with the Act of 20 July 2018 - Law on Higher Education and Science
- Additional documents (or their copies) confirming qualifications.

ITAI PAS does not provide accommodation.

Applications for the competition should be submitted in person or sent to the Secretariat of the Institute of Theoretical and Applied Informatics of the Polish Academy of Sciences, ul. Bałtycka 5, 44-100 Gliwice, with a note on the envelope: "Competition for the position of assistant at the ZKSI". Alternatively, scanned documents should be sent by e-mail to the following address konkursy@iitis.pl with the subject "Competition for the position of an assistant at the ZKSI", and paper versions should be sent by regular mail. If approved, the candidate will be required to provide paper copies of the application documents.

The deadline for submitting applications expires on **2025-09-15 14:00** (the date of receipt by ITAI PAS is decisive).