

**Director of the Institute of Theoretical and Applied Informatics  
of the Polish Academy of Sciences  
announces open competition for post-doc position  
in Quantum Systems of Informatics Group**

**Institution:** Institute of Theoretical And Applied Informatics of the Polish Academy Of Sciences

**Group:** Quantum Systems of Informatics Group

**City:** Gliwice, Poland

**Position:** post-doc (pol. adiunkt)

**Scientific discipline:** information and communication technologies

**Announcement date:** 04/11/2021r.

**Submission:** 17/12/2021r.

**Website:** [www.iitis.pl](http://www.iitis.pl)

**Description:**

We offer full-time employment for a maximum period of **4.5 years as part of the Sonata BIS 10** project entitled "Simulations of physical systems using near future annealing technology". The position was financed by the National Science Center.

The research area of the project is quantum computing, quantum programming (including quantum annealing), artificial intelligence and simulations of physical systems using near-future annealing technology at the Institute of Theoretical and Applied Informatics of the Polish Academy of Sciences.

The employee will be delegated to the new project research group headed by Dr. B. Gardas, where he will be responsible for mentoring of young scientists employed in this project (including doctoral students), and for implementing of his own research program. The position does not involve any teaching duties.

**Project leader:** Dr Bartłomiej Gardas. E-mail: [bgardas@iitis.pl](mailto:bgardas@iitis.pl), [bartek.gardas@gmail.com](mailto:bartek.gardas@gmail.com)

**Legal requirements:**

Candidate must meet all the requirements of the Sonata BIS 10 call

(c.f.: [https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2020/uchwala61\\_2020-zal1\\_ang.pdf](https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2020/uchwala61_2020-zal1_ang.pdf))

in particular:

“in the period of receiving the remuneration they will be receiving no remuneration from another employer pursuant to an employment contract, including an employer with registered office outside of Poland.”

**Requirements:**

- Ph.D. degree in physics, computer science or equivalent,
- Excellent communication and language skills in English,
- Experience with quantum computing and near-term annealing technology,
- Ability to collaborate effectively in a team environment,
- Participation in international conferences and scientific exchange,

- *Desired skill:* Ability to work independently to develop new research directions (PI experience, single author publication).

### **Required documents:**

- cover letter;
- curriculum vitae with the list of publication, list of talks at scientific events, and list of awards;
- individual research plan (max 3 pages);
- a reference letter from a senior researcher, which should be send to konkursy@iitis.pl with the subject line "Reference letter for a post-doc position (Sonata Bis 10)";
- statement that in case of employment, the IITiS PAN will be a place of scientific activity in the field of technical computer science and telecommunications within the scope of the Act of 20 July 2018 – Law on Higher Education and Science.

Competition applications must be submitted 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 a post-doc position." Alternatively, the scanned documents should be sent via email to konkursy@iitis.pl with the subject line "Competition for a post-doc position" and hard copies sent via standard mail. In the case of acceptance, candidate will be required to deliver hard copies of the application documents. The deadline for submitting applications is **17/12/2021r.**

Interested candidates are encouraged to contact the project leader, Dr. Bartłomiej Gardas, bgardas@iitis.pl, for further information and clarifications concerning the opening.

*According to Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, we also require that by applying, a candidate include the following statement in the cover letter: "I consent to the processing by IITiS PAN of my personal data contained in my application for the purposes of the competition announced for the scholarship. At the same time, I declare that I have been informed about my right to access my data and correct it, withdraw consent to their processing at any time, as well as that the provision of this data was voluntary"*