



# Center for Theoretical Physics

Polish Academy of Sciences

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Warsaw, 03.12.2020

The Director of the Center for Theoretical Physics PAS invites applications for a postdoctoral fellowship at the CTP PAS, financed from the SONATA BIS project entitled "**Characterization and certification of quantum resources**" (2019/34/E/ST2/00369). The project leader is **dr hab. Remigiusz Augusiak** (website: <http://raugusiak.weebly.com/>).

We are looking for a candidate with a recognized PhD degree (obtained not earlier than in 2015) in theoretical physics (or mathematics) and with a solid experience in quantum information. Good knowledge of mathematical methods of physics and/or computational skills will be also appreciated. The broad subject of the project is widely-understood verification and certification of quantum resources. There are two main aims. The first is to characterize quantum resources such as quantum entanglement or non-locality and propose efficient methods of their detection. On the other hand, we will design certification methods for quantum states, quantum operations etc. in various scenarios typically considered within the field of quantum information such as for instance the device-independent scenario. The research has a fundamental character. The position will be initially granted for one year, with a possibility of extension to up to three years, subject to a satisfactory performance.

**The montly revenue is 9450 zł gross (7500 zł net which is approx. 1700 euro).**

Required documents:

1. The scientific CV, including publication list, participation in research projects and conferences (with the clause "I agree to the processing of my personal data contained in the application documents")
2. Motivation letter, with a brief description of the Candidate's scientific interests and future research plans.

3. A copy of the PhD diploma, or statement from the PhD advisor on the planned date of defence (the PhD should be awarded before the post-doc contract starting date).
4. Applicants should also arrange to have two letters of reference (from senior researchers) separately sent to the email address given below.

The documents should be sent electronically to [rekrutacja@cft.edu.pl](mailto:rekrutacja@cft.edu.pl), by **17 January 2021 with obligatory consent to process the personal data. In the e-mail's title please add the reference number: RA/15/2020.**

All questions should be directed to: [augusiak@cft.edu.pl](mailto:augusiak@cft.edu.pl).

Selected Applicants will be invited for an interview which will be held either at the institute or via online communicators.

#### **Information Clause – Job Recruitment**

##### **Information Obligation under the Article 13 of the RODO \*:**

##### **1. Data Administrator**

The administrator who is a deciding entity on how your personal data will be used is the Center for Theoretical Physics PAN represented by the Director with the seat in Warsaw Al. Lotników 32/46. You can contact the Administrator by using one of the contact forms available on the website: : <http://www.cft.edu.pl/>

##### **2. Data Protection Inspector**

The Director of the Center for Theoretical Physics of the Polish Academy of Sciences has appointed the Data Protection Inspector (Inspektor Ochrony Danych - IOD) with whom you can contact in all matters relating to your personal data. You can contact the Inspector by sending an email to: [iod@cft.edu.pl](mailto:iod@cft.edu.pl)

##### **3. The Purposes of Processing and the Legal Basis for Processing**

Your personal data will be processed for the purpose of running the current recruitment.

The basis for the processing of personal data are the provisions of the Labor Code Act of June 26, 1974 (uniform text: Dz. U. of 2018, item 917) and based on your consent for data processing.

##### **4. The Period of Storage of Personal Data**

Your personal data will be kept for the duration of the present recruitment.

##### **5. Data Recipients\*\***

The recipients of your personal data will be only entities authorized to obtain personal data on the basis of the law. Access to your data is provided only to employees authorized by the administrator and associates who must have access to the data to perform their duties.

**6. Your Processing Rights**

You have the right to access your data and the right to correct it or limit processing, as well as the right to appeal against the processing.

**7. The Obligation to Provide Data and the Consequences of not Providing Data**

Providing your personal data specified in the Labor Code is obligatory, and for the remaining extent voluntary.

**8. The right to make a complaint to the President of the Office for the Protection of Personal Data**

When you feel that the processing of personal data violates the provisions of the general regulation on the protection of personal data, you have the right to make a complaint to the President of the Office for the Protection of Personal Data.

**Consent to Data Processing**

**I consent to the processing of my personal data by the Center for Theoretical Physics PAN for the needs of:**

- Present recruitment.

I provide the data voluntarily and I declare that they are truthful. I got acquainted with the contents of the above information, including information about the purpose and methods of processing personal data and the right to access my data and the right to correct them.

\* Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46 / EC (general regulation on data protection)