



Center for Theoretical Physics PAS

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PhD position at Center for Theoretical Physics

The Director of the Center for Theoretical Physics PAS invites applicants for a PhD position at the CTP PAS financed by the National Science Center through the Sonata BIS grant „*Optimality, universality and controllability in the theory of quantum computing*”, project number UMO-2015/18/E/ST1/00200. The principal investigator of the project is prof. **Adam Sawicki** (www.cft.edu.pl/qmath/asawicki). The topic of the research project is related to foundations and mathematics of quantum computation.

Scholarships cover a tax-free living allowance for 3 years. The starting date is envisaged on October 1st, 2018. The students will be enlisted as participants of the PhD program in the Institute of Physics, PAS, following their individual program. The subject of the thesis will be related to the topic of the grant. Apart from the stipend, students will also be eligible for support for equipment and international travel to attend schools and conferences.

Applicants must hold a Master's degree or equivalent in theoretical/mathematical physics or mathematics. Candidates demonstrating a signed statement that their thesis will be defended before August 1, 2018 are also eligible to apply. A knowledge of Lie groups, Lie algebras and their representations and/or functional analysis and random walks on groups are an advantage.

The application must include:

1. Cover letter, including a motivation of preference for the above mentioned project - max 1 page
2. Curriculum Vitae (summarizing education, positions and scientific preprints/publications) - max 1 page
3. Personal Questionnaire form (downloaded from the Institute webpage)
4. One recommendation letter from a senior researcher sent directly by the senior researcher to rekrutacja@cft.edu.pl
5. Transcript of records from their University
6. Certified copy of the MSc diploma, or a statement from the Supervisor regarding the prospects for completing the thesis before the starting date

Foreign applicants are advised to attach an explanation of their University's grading system.

Submissions are to be received electronically (only pdf files) at the email address rekrutacja@cft.edu.pl

by the closing date of **August 01, 2018**. **Reference number: AS/2/2018**

All questions should be sent to the above e-mail address.

Please include the following in your CV:

"I hereby agree for processing my personal data, included in my job offer, for the purpose of recruitment by Center for theoretical Physics of the Polish Academy of Sciences"

Dyrektor
Centrum Fizyki Teoretycznej PAN

dr hab. Lech Mankiewicz

The data administrator is the Center for Theoretical Physics of the Polish Academy of Sciences, Warsaw, Al. Lotników 32/46. The data contained in the application documents will be processed for the purpose of running recruitment. Each job candidate has the right to inspect his or her data and to correct them. Data submission is voluntary, but necessary to take part in the recruitment.