



FORM FOR EMPLOYERS

INSTITUTION: UNIVERSITY OF WARSAW, FACULTY OF PHYSICS

CITY: WARSAW, **POLAND**

POSITION: ASSISTANT PROFESSOR

NUMBER OF POSITIONS: 2

DISCIPLINE: PHYSICS

POSTED: JULY 10th 2018

EXPIRES: SEPTEMBER 15th 2018

WEBSITE: WWW.FUW.EDU.PL

KEY WORDS: QUANTUM METROLOGY, QUANTUM INFORMATION

DESCRIPTION (field, expectations, comments):

Description of tasks

Study of fundamental bounds and optimal protocols in quantum metrology in presence of realistic noise models in optical and atomic systems both in single and multiparamter problems as well as investigations of connections between quantum metrology and quantum thermodynamics.

The candidates have to conform to the conditions stated in art. 109 of Higher Education Law dated 27.07.2005. (uniform text: Journal of Laws of the Republic of Poland 2017, item 2183 with further amendments).

Requirements:

- PhD degree in the field of physics obtained no earlier than 7 years before the year of employment in the project
- research experience in theoretical quantum information and quantum metrology
- significant scientific publication record
- very good English
- experience in supervising research of younger colleagues/students is welcomed

Employment conditions

Work will be performed at the Institute of Theoretical Physics, Faculty of Physics University of Warsaw, under the supervision of dr. hab. Rafał Demkowicz-Dobrzański (the PI of the project)

The full-time position is available for a period of 20 months starting late 2018/early 2019. For additional questions please contact dr. hab. Rafał Demkowicz-Dobrzański (demko@fuw.edu.pl)

The candidate should provide the following documents:

1. Signed and scanned application for the position required together with the acceptance for the treatment of personal data: "I hereby consent to have my personal data processed by the University of Warsaw with its registered office at ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa for the purpose of: carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw. I have been informed of my rights and duties. I understand that provision of my personal data is voluntary";
2. curriculum vitae containing information on current research activities, on past achievements and the research interests together with a full list of publications accompanied by respective number of citations
3. copy of the PhD diploma or certificate of a successfully passed PhD exam and copies of other diplomas obtained
4. reference letter from at least one renowned researcher, **sent directly by the person providing the references** to demko@fuw.edu.pl.

Applications should be submitted by e-mail in pdf electronic format to demko@fuw.edu.pl

Application deadline is September 15th 2018, 23:59. Initial decision should be available by September 30th 2018. All applicants will be informed individually on the decision and the date of a potential qualification interview via email.

The starting date for the position is late 2018/early 2019.

This announcement is the first step in the procedure of employing an academic teacher