FORM FOR EMPLOYERS

INSTITUTION	**UNIVERSITY OF WARSAW, FACULTY OF PHYSICS**
CITY	**WARSAW, POLAND**
POSITION	*adiunkt naukowy* **(post-doc)**
DISCIPLINE	**physics**
NUMBER OF POSITIONS	**1**
POSTED	**14.05.2018**
EXPIRES	**26.06.2018, 6 PM**
WEBSITE	**www.fuw.edu.pl**
KEY WORDS	**optical microcavity, exciton, polariton**

DESCRIPTION (field, expectations, comments):

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).

The aim of the procedure is to hire a post-doc (adiunkt) for a research project "Light-matter coupling in a system of two coupled optical microcavities based on II-VI semiconductors" funded by Polish National Science Centre within SONATA BIS programme. The full-time employment is for a period of 12 months at the Faculty of Physics, University of Warsaw. The conditions of the employment follow guidelines of the Polish National Science Centre (NCN).

The project is focused on the studies of the light-matter coupling in optical microcavities and double coupled optical microcavities made of II-VI semiconductors. The microcavities embed quantum emitters such as quantum wells and quantum dots. One of the objectives of the project is demonstration of interaction between the emitters placed in adjacent microcavities, which is mediated by a delocalized photonic mode of the coupled structure.

The post-doc will work towards the realization of the project objectives by performing time-intergated and time-resolved spectroscopy studies on the coupled structures, performing analysis of the acquired experimental data, as well as elaborating theoretical models describing the results.

The requirements:

The candidate is required to have a PhD degree in physics and to meet all relevant NCN requirements, as well as to:

1. Be skilled in the optical studies of the solid state, including spectroscopy measurements on semiconductor optical microcavities or other photonic structures, as proven by the scientific publications,

2. Be proficient in one of the programming platforms from the following: Mathematica, Matlab, Python or C/C++,

3. Be able to communicate in English .

    An additional advantage will be programming experience in Labview.

The candidate should provide the following documents:

1. Application for the position required together with the acceptance for the treatment of personal data: "I hereby give consent for my personal data to be processed for the purposes of recruitment, in accordance with the Personal Data Protection Act dated 29.08.1997 (uniform text: Journal of Laws of the Republic of Poland 2016, item 922)",
2. Motivation letter,
3. Copy of a PhD diploma or certificate of awarding the PhD degree,
4. CV including information on the scientific activities so far, scientific achievements and interests
5. publication list,
6. email address of at least two researchers, acquainted with the scientific activity of a candidate and able to prepare a referral letter.

The candidate should provide all documents in pdf files by emaill to: Jan.Suffczynski@fuw.edu.pl. The name of each pdf file should contain the name and surname of the condidate, as well as name of the position (i. e., "postdoc").

Language of the application: Polish or English.

The entire procedure will be concluded before 26.07.2018. The candidate might be asked by email for an interview with the commission appointed by the Dean of the Faculty. The results of the procedure will be communicated to the candidates individually by email.

This announcement is the first step in the procedure of employing an academic teacher and its positive result will be a base for consecutive steps.