



HR EXCELLENCE IN RESEARCH

FORM FOR EMPLOYERS

INSTITUTION: **UNIVERSITY OF WARSAW, FACULTY OF PHYSICS**

CITY: WARSAW, **POLAND**

POSITION: POST-DOC

NUMBER OF POSITIONS: **1**

DISCIPLINE: PHYSICS; EXPERIMENTAL SOLID STATE PHYSICS

POSTED: 27 JANUARY 2017

EXPIRES: 20 FEBRUARY 2017

WEBSITE: **WWW.FUW.EDU.PL**

KEY WORDS: NEAR- AND FAR-INFRARED MAGNETOSPECTROSCOPY,
METAMATERIALS, TWO-DIMENSIONAL STRUCTURES, ELECTRON PLASMA,
MAGNETOCONDUCTIVITY

DESCRIPTION (field, expectations, comments):

The call is open for candidates who fulfill conditions specified in art. 109 law of 27.07.2005 Prawo o szkolnictwie wyższym (Dz. U. nr 164, poz. 1365, z późn. zm.), conditions specified by the National Science Centre, published in the OPUS9 call documentation (<https://ncn.gov.pl/ogloszenia/konkursy/opus-16-03-2015>) and fulfill the following requirements:

- a title of PhD in physics, specialization: experimental solid state physics
- a list of publications
- an experience justified by past works in:
 - a) experimental physics of semiconductors
 - b) usage of liquid helium cryostats for scientific research
 - c) carrying out magnetospectroscopic experiments at liquid helium temperatures in VIS-IR or THz frequency bands.
- fluent English

A winner of the call will be employed on full time job position as an assistant professor and will carry research within an National Science Centre project led by dr hab. Jerzy Łusakowski, prof. UW, “Two-dimensional metamaterials tuned by the magnetic field and visible light as THz detectors, filters and nonlinear elements”. The position will be financed by 22 months starting from April 2017. An estimated monthly salary is 3500 PLN net.

The winner of the call will be obliged, in particular, to:

- design two-dimensional structures and samples;
- take care of experimental set-ups;
- carry out magnetospectroscopy, magnetoconductivity and other experiments;
- participate in data analysis, preparation of publications and conference communications;
- collaborate with the project leader in the frame of supervising students' work (advanced laboratories, baccalaureate, masters)

The candidate should provide the following documents (by e-mail to jerzy.lusakowski@fuw.edu.pl):

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 2002 No 101, item 926 with further amendments)”.
2. CV.
3. Motivation letter.
4. Recommendation letters from at least two senior academic staff members.
5. Copy of PhD and master diploma.
6. Publication list.

The candidates' documentation will be evaluated by a commission chaired by the project leader dr hab. Jerzy Łusakowski. Decision of the commission will be e-mailed to the candidates by the end of February 2017.

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