



HR EXCELLENCE IN RESEARCH

FORM FOR EMPLOYERS

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

CITY: WARSAW, **POLAND**

POSITION: **Assistant Professor (Adjunct)**

NUMBER OF POSITIONS: **1**

DISCIPLINE: **Atmospheric Physics**

POSTED: **23/06/2017**

EXPIRES: **04/09/2017**

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

KEY WORDS: **aerosol, black carbon, radiative transfer, radiative forcing**

EMPLOYMENT PERIOD: **02/11/2017- 31/10/2018**

DESCRIPTION (field, expectations, comments):

1. Conducting research in frame of the SONATA-BIS grant nr UMO-2012/05/E/ST10/0157 entitled "Integrated studies of climate processes involving absorbing aerosols" includes:

- estimating long-term variability of aerosol optical depth based on direct broadband solar radiation in Poland.

- estimation black carbon and total aerosol flux from eddy covariance method

- determination of the vertical profiles of black carbon on the radiative forcing and atmospheric heating in lower troposphere for biomass burning aerosol and anthropogenic emitted from heating system.

2. Participation in field measurement campaigns in Poland and abroad.

3. Publishing the results in scientific journals.

The requirements that candidates must meet at the time of submission of the documents:

- 1) Have a Ph.D. in physics (or equivalent).
- 2) Proven experience with measurements and simulation of aerosol optical properties, radiative transfer
- 3) Proven experience of MATLAB or IDL.
- 4) Possess a skill of fluent speaking and writing in English.

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 2002 No 101, item 926 with further amendments)”
2. CV (with contact e-mail address);
3. Information about candidate’s scientific career;
4. List of scientific publications with citations number;

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

The candidate should provide all documents to Secretary of the Institute of Geophysics, Faculty of Physics, University of Warsaw, ul. Pasteura 5 room no. B4.41, 02-093 Warsaw, Poland or to Dr. Krzysztof Markowicz by e-mail kmark@igf.fuw.edu.pl.