

## **Postdoctoral Fellow position at Institute of Geophysics Institute Faculty of Physics University of Warsaw**

There is a vacancy for a postdoctoral fellow position at Institute of Geophysics, Faculty of Physics University of Warsaw within absorbing aerosol optical properties measurements and modeling. The position is for a period of one year between 15 January 2017 and 14 January 2018.

### **About the project/work tasks**

The position is connected to the SONATA-BIS grant nr UMO-2012/05/E/ST10/0157 entitled "Integrated studies of climate processes involving absorbing aerosols" focuses on the aerosol -climate modeling. The position will focus on:

- 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 as well as for anthropogenic particles emitted from the heating system.

### **Qualifications:**

- Applicants must have achieved a PhD or equivalent in meteorology, oceanography, physics, or related fields, or have presented the dissertation for assessment by the closing date for applications.
- candidates must have a strong background in aerosol (optical and microphysical properties), remote sensing, and radiative transfer simulation
- proven experience of MATLAB or IDL
- proficiency in both written and oral English
- the candidate will work in a lively research environment and should have good team working skills
- **encourage people with disabilities to apply for this position.**

### **We can offer:**

- a good and professionally challenging working environment
- salary about 1 400 Euro/month
- 35 days of vacation
- good welfare benefits.

### **Documents required:**

- Application for the position;
- CV (with contact e-mail address);
- Information about candidate's scientific career and teaching experience;
- List of scientific publications with citations number;
- Copy of the PhD diploma certificate;
- **Deadline 30 Nov 2016**

**General information:**

Detailed information about the position can be obtained by contacting:  
Dr Krzysztof Markowicz, e-mail: [kmark@igf.fuw.edu.pl](mailto:kmark@igf.fuw.edu.pl)