

The [Institute of Environmental Physics \(IUP\)](#) at the [University of Bremen](#) invites application for

One 3-year Ph.D. position in:

FTIR trace gas measurements on Spitsbergen

Salary is according to the German federal employee scale TVL-13 (50%) and this position is limited to a term of 36 months. The position is open from Mai 2016.

Work content

Ph.D. position: Measurements of atmospheric trace gases using FTIR spectroscopy on Spitsbergen.

The Arctic warms faster than the rest of the world. This effect is only poorly understood, i.e. models do not reproduce this strong warming of the Arctic atmosphere. This effect is called the Arctic Amplification. The project AC3 aims at filling the gaps in understanding the special dynamics of the Arctic, in particular to find the "missing ingredient" causing this enhanced warming.

In this position, Measurements of atmospheric trace gases on Spitsbergen in the high Arctic will be taken. The measurements will be interpreted in combination with other observations obtained at the same place.

The aim of this project to improve the understanding of the Arctic Atmosphere through a combination of different measurements of different atmospheric parameters and by exploiting synergies they offer.

Requirements

- M.Sc. degree or equivalent in physics, oceanography, meteorology, remote sensing, geophysics, mathematics or related fields.
- Skills in scientific computer programming (e.g., Python, IDL, Matlab or similar) and a strong interest to work in the field of ground based remote sensing of the atmosphere.
- The successful candidate is required to work in a team and to travel to Spitsbergen in order to perform measurements.

General

The Institute of Environmental Physics (IUP) provides a stimulating, international, and pleasant work environment and is strongly involved in the international climate and space science community. The focus of our work in environmental physics is the investigation of the atmosphere, the cryosphere, and the oceans of the earth. We have state-of-the art lab equipment, and high computational capacity, which is essential for the data processing of our projects. Many of our scientific projects are using external platforms like the research vessel "Polarstern", aircrafts, stratospheric balloons, and ground based stations all around the world, from the tropics to the poles.

As the University of Bremen intends to increase the proportion of female employees in science,

women are particularly encouraged to apply. In case of equal personal aptitudes and qualification priority will be given to disabled persons. Applicants with a migrant background are particularly invited to apply.

The application deadline is July 1st 2016. The positions will remain open until filled. The application should include details of relevant qualifications and experience, CV, copies of transcripts, and names of at least two referees.

Please send your application with the reference number A109/16 to:

Dr. Mathias Palm

University of Bremen
Institute of Environmental Physics
Otto-Hahn-Allee 1
28359 Bremen
Germany

phone: +49-421-218-62179

or by email (a combined pdf): mathias.palm@uni-bremen.de

Please do not send original documents, your application will not be send back but discarded.

Further inquiries regarding the position may be directed to the same address.

Veröffentlichung:

Uni HP 25.05.16
bremen.de
AfA
academickeys
Prophysik
academic.com

Kopie an:

- K
- FB1
- Dez. 2
- PR
- Zentrale Frauenbeauftragte
- Vertrauensfrau d. Schwerbehinderten

Bewerbungsschluss:01.07.16