

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

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 September 2017.

Work content

Ph.D. position: Measurements of atmospheric trace gases using solar absorption FTIR spectroscopy in the tropics and the Arctic and their interpretation

Solar absorption FTIR measurements provide a mean to infer the concentration of numerous trace gases in the atmosphere. The FTIR group at the University of Bremen operates several FTIR instruments worldwide. In this position, time series of ground-based solar absorption measurements will be compared with satellite retrievals and atmospheric models will be used for the interpretation of the observed variabilities.

Requirements

- M.Sc. degree or equivalent in physics, meteorology, remote sensing, geophysics, mathematics or related fields.
- Skills in scientific computer programming (fortran, Python, 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 in order to perform maintenance tasks and measurement campaigns.
- Good command of English.

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 September 1st 2017. 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. All documents should be bundled in one pdf

document. Only complete applications will be considered.

Please send your application to:

Birgit Teuchert (Sekretariat Prof Notholt)

University of Bremen

Institute of Environmental Physics

Otto-Hahn-Allee 1

28359 Bremen

Germany

or by email (a combined pdf): teuchert@iup.physik.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

bremen.de

AfA

Bewerbungsschluss:open