PhD student (m/f/d)

code no. 2020/KB 1

The place of employment is Geesthacht (Germany).

The Helmholtz-Zentrum Geesthacht (HZG) in Geesthacht, near Hamburg, and in Teltow, near Berlin, conducts materials and coastal research. For further information please refer to: www.hzg.de.

The Institute of Coastal Research announces an open position for a natural scientist (PhD student) with a master degree in Meteorology, Physics or Chemistry or a similar natural science (e.g. Environmental Science or Environmental Informatics) limited for 36 months. You will be working in the department of Chemistry Transport Modeling within the project “Water from four sides” which is part of the Excellence Cluster „Climate, Climate Change and Society“ (CiCCS). The project will be conducted in close cooperation with Technical University of Hamburg and University of Hamburg.

Your tasks will be:
- modelling the impact of aerosol particles on cloud formation and precipitation
- application of an urban traffic model for investigating the traffic contribution to emissions of aerosol particles
- exemplary determination of the impact of climate change induced modifications of precipitation patterns on air quality in cities in different regions

Requirements:
- Master degree (grade “good” or better) in one of the disciplines mentioned above
- good knowledge in programming with R (or similar scripting language) as well as knowledge in working with unix operating systems
- experience in the application of complex atmospheric or oceanic model systems or in traffic modeling
- knowledge in atmospheric chemistry, especially related to aerosol particles is of advantage
- good communication skills in German and English

We offer:
- possibility for a PhD from University of Hamburg
- multinational work environment with over 1000 colleagues from more than 50 nations
- extensive options of vocational training (i. a. expert seminars, language courses or leadership seminars)
- flexible working hours and various models to ensure the compatibility of family and career
- excellent infrastructure, including a scientific in-house library as well as modern work spaces
- an appropriate salary related to the German public tariff (TV-AVH) plus the usual social benefits for the public employment sector

The promotion of equal rights is a matter of course for us. Severely disabled persons and those equaling severely disabled persons who are equally suitable for the position will be considered preferentially within the framework of legal requirements.

Interested?
We are looking forward to receiving your comprehensive application documents (including CV, a statement of interest and copies of master/diploma/university certificates) indicating job offer code no. 2020/KB 1. Please send your application to personal@hzg.de.

Closing date for applications is March 22nd, 2020.