

17.05.2022

Position announcement: 2022-03, Research scientist, permanent



The Leibniz Institute of Atmospheric Physics (IAP) is member of the Leibniz Association, Germany, with research focus on the mesosphere and lower thermosphere. It closely cooperates with the University of Rostock and is part of its teaching program. The IAP is funded in equal parts from federal and state sources and is supported by research grants. It has an annual budget of about 9 Mio EUR and employs about 80 people.

The Leibniz Institute of Atmospheric Physics (IAP) offers a (m/f/d)

Research scientist position on Experimental Atmospheric Physics

starting as soon as possible on permanent contract in the Radar Remote Sensing Department. The salary is according to class EG 13 TV-L, Tarifgebiet Ost (100 %).

The required qualification is:

- PhD in meteorology, physics, mathematics, computer sciences or a related field

The research activities of the successful candidate will focus on experimental investigations of the mesosphere and lower thermosphere (MLT) region, in connection to both, the lower atmosphere and the thermosphere/ionosphere region. The successful candidate will be involved in the study of MLT mesoscale and planetary-scale dynamics, as well as atmospheric coupling, using specular meteor radars (monostatic as well as multistatic) as main observational tool. Besides radar data, the candidate is expected to work with other types of ground-based instrumentation, as well as with global circulation model simulations and reanalysis data.

The candidate must have previous experience in the experimental methods that will be used, since their activities will include the operation and management of multistatic radar networks, as well as promoting/advertising activities of these networks to the scientific community. Availability to travel to install new radar networks is expected. The candidate is also expected to write scientific proposals, as well as supervise Master and/or PhD students. Good command of programming tools (e.g., Python, MATLAB, Fortran) is required. The ability to pursue independent research and to work within a team is essential, as well as are good skills in writing scientific articles in international peer-reviewed journals. Excellent knowledge of English language is

necessary. Information about the Radar Remote Sensing department and its infrastructure systems can be found at

<https://www.iap-kborn.de/en/research/department-radar-remote-sensing/> .

The IAP offers an attractive working place near the Baltic Sea, with modern equipment, engagement in international research, participation in the professional pension system (VBL), and working conditions according to the tariff agreement on public services (TV-L). Candidates from abroad are supported with german courses.

The IAP supports a family-friendly human resource policy. It aims to increase participation of women where they are under-represented. Women are explicitly invited to apply. The IAP also aims to employ more handicapped persons.

Applicants are invited to submit their complete application material:

- Curriculum Vitae
- List of publications
- Short letter of intent (applicant's research interests and relevant experience)
- Copies of undergraduate and Ph.D. degree certificates,
- Two names and their contact information for professional reference,

referring to the code number **2022-03** by June 30th 2022, preferably in a **single PDF document**, to the

Department of Personnel, Mrs. Angelika Kurreck (kurreck@iap-kborn.de).

By submitting your application, you consent to the processing of your personal data for the purpose of the application process. Application and travel costs cannot be reimbursed.

For further information, please contact

Prof. Dr. Jorge Luis Chau

Email: chau@iap-kborn.de

