

The LEIBNIZ-INSTITUTE FOR APPLIED GEOPHYSICS (LIAG) invites applications for temporary employment at the earliest possible date with 100 % of the regular weekly working time unlimited for the position of

### **Research Assistentz (m/f/d)**

**Job posting number G 18/23, Keyword: „WM Bohrlochgeophysik“**

The LIAG investigates both structures and processes in the Earth's uppermost crust using a suite of geophysical methods, linking application-oriented and basic research. In the field of borehole geophysics, the institute focuses on the investigation of sediments and sedimentary rocks. Focus areas in the future will be geohazards, groundwater and georeservoirs. The analysis of environmental changes and their effects on sedimentological processes is actively pursued, with cyclostratigraphy representing an important tool here. The LIAG has very good technical equipment regarding borehole logging.

We pursue a coordinated scientific development in the methodological field of borehole geophysics, and applied research topics, also in cooperation with the other working groups at LIAG. You will contribute significantly to this by contributing your own ideas, acquiring third-party funding and through internal and external professional networking. The LIAG offers a wide range of opportunities for personal development and the shaping of your own scientific research, an active and inspiring scientific environment and excellent networking in the international research landscape.

Please enclose an outline of your research project with the usual application documents.

#### Your tasks:

- Scientific and operational planning, organization, execution and interpretation of borehole geophysical measurements, together with drilling contractors and scientific partners
- Leading participation in national and international drilling projects - including coordination of LIAG contributions to borehole geophysics
- Acquisition of third-party funding, as well as scientific and organisational coordination of the projects
- Publication of scientific results in national and international journals with peer-review process
- Presentation of scientific results at national and international conferences
- Supervision of qualifying staff, theses as well as international guests and interns

#### Required qualifications and experience:

- Completed university studies in geophysics, geosciences, geology, geography or similar
- Doctorate
- Sound knowledge of physical rock properties
- Experience in the evaluation, analysis and interpretation of borehole geophysical data
- Proof of scientific achievements in the field through publications in international peer-reviewed journals
- Ability and willingness to work across topics and methods with colleagues and partners of the LIAG; knowledge in relevant geoscientific disciplines (sedimentology, reservoir characterization)
- Independent and structured way of working, ability to work under pressure, assertiveness
- Ability to work interdisciplinary in an international team, communication and teamwork skills
- English language skills (at least comparable to level B2 GeR), willingness to learn German if necessary

- Willingness to undertake individual longer business trips, including overtime and night work with accommodation in basic conditions (also in adverse climate and weather conditions)
- Ability to lift heavy loads (borehole probes, up to 25 kg)
- Class B driving license, or willingness to obtain one

Ideally, you also meet the following requirements:

- International experience/stay abroad
- Experience with WellCad and GeoBase
- Programming experience (e.g. R, Python)
- First experience in the use of innovative machine learning methods for the evaluation and interpretation of borehole geophysical data
- Experience in the further development of borehole geophysical methods/data evaluation methods
- Experience in attracting external funding (measured by career level)
- Driving license class C1, or willingness to acquire it

We offer:

LIAG enjoys an excellent reputation, both nationally and internationally. The institute is characterized by excellent infrastructural integration into the GEOZENTRUM Hannover, state-of-the-art and high-performance equipment (IT, laboratory, field), strong networking, and a friendly, professional and collegial working-environment. LIAG promotes further education and training of its staff.

The place of employment is Hannover, Germany. The salary for the position will be according to salary group EG 13 TV-L (Collective Agreement for public service of the German states, TV-L), taking into account § 40 No. 5 TV-L (consideration of professional experience).

We welcome applications from people of all nationalities, regardless of their origin, gender, religion or belief, disability, age or sexual identity. LIAG also pursues the goal of equal professional rights for women and men. Therefore, we particularly welcome applications from women. With flexible working hours, we offer you a responsible and varied job that is also suitable for part-time employees and as a re-entry after parental leave.

The LIAG endeavours to increase the proportion of severely disabled people, which is why they will be given preference, if they are equally qualified. Please submit your application electronically (PDF with max. 10 MB) with meaningful documents without photo, quoting the job advertisement number **G 18/23** and the keyword **“WM Bohrlochgeophysik”** to [career@leibniz-liag.de](mailto:career@leibniz-liag.de) until **25.10.23**.

More information about our institute is available on our website [www.leibniz-liag.de](http://www.leibniz-liag.de). For further information, please contact Prof. Dr. Gerald Gabriel at [Gerald.Gabriel@leibniz-liag.de](mailto:Gerald.Gabriel@leibniz-liag.de)