

Thinking the Future
Zukunft denken

RWTHAACHEN
UNIVERSITY

Please send a cover letter stating research aims and a CV to:

Dekan der Fakultät für Georesourcen und Materialtechnik der RWTH Aachen University, Prof. Peter Kukla, Ph.D., 52056 Aachen

You can also send your application via email to geophysik2@fb5.rwth-aachen.de. Please note, however, that communication via unencrypted e-mail poses a threat to confidentiality as it is potentially vulnerable to unauthorized access by third parties. For information on the collection of personal data pursuant to Articles 13 and 14 of the General Data Protection Regulation (GDPR), please visit www.rwth-aachen.de/gdpr-information.

The deadline for applications is January 10, 2022.

This position is also available as part-time employment per request. We welcome applications from all suitably qualified candidates regardless of gender. RWTH Aachen University is certified as a family-friendly university and offers a dual career program for partner hiring. We particularly welcome and encourage applications from women, disabled people and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

RWTH Aachen University is one of Germany's pre-eminent Universities of Excellence, which entails the highest quality in teaching and world-class research. RWTH addresses bold, scientific questions; it also assumes a profound responsibility toward society and transfers its knowledge into meaningful applications. RWTH strives for the convergence of knowledge, methods, and findings from its research fields and integrates in-depth disciplinary knowledge into interdisciplinary research consortia represented as profile areas. The university's dynamic, creative, and international environment encompasses efficient research networks, institutionalized cooperations, and, most of all, the innovative RWTH Campus-Project which harbors one of the most extensive technology-oriented research landscapes in Europe.

**Full Professor (W2)
in Applied Geophysics 2: Geophysical
Imaging and Monitoring**
Faculty of Georesources and Materials
Engineering

We are seeking qualified applicants for teaching and research in the area of geophysical imaging and monitoring. The position is to be filled at the earliest possible date. The professorship aims to bridge the gap between multi-scale geophysical measurements and structural as well as process models developed within multiple research areas of the Division of Earth Sciences and Geography. The research focus lies on the integration of geophysical and non-geophysical, e.g. geological and hydrological, measurements for quantitative imaging of subsurface systems including their process-relevant parameters. Applications should cover multiple spatial scales in the Earth's crust including sedimentary basins and aquifer systems. Methods can include geoelectrical, seismic, electromagnetic, as well as magnetotelluric measurements. These measurements should be combined with multi-physical numerical simulations and petrophysical laboratory experiments in the frame of interdisciplinary and environmentally relevant applications such as the monitoring of geological reservoirs and natural hazards.

Particular emphasis is placed on a close collaboration within the Geoverbund ABC/J and with the partner universities in the IDEA League offering the Joint M.Sc. in Applied Geophysics. The mission statement of RWTH Aachen University is the integrated technical university. The professorship should take on an interface function in close collaboration within the faculty and other faculties contributing to energy research and profile areas of the university.

The professorship is expected to teach the full spectrum of geophysical topics including global geophysical phenomena (e.g., existing course "Physics of the Earth") as well as different applied geophysical methods and imaging theory. A particular emphasis is placed on geophysical field courses in close collaboration with existing field expertise of the division. Experiences in digital teaching are desired. The professorship is expected to contribute to the study programs of the division in both English and German and take on organizational roles within the IDEA League Joint M.Sc. in Applied Geophysics. An active contribution to academic self-administration is anticipated.

The requirements include a doctoral degree and additional research experience, such as a habilitation (post-doctoral lecturing qualification) or equivalent achievements gained as a university researcher or professor or in a research position outside academia. Ability in and commitment to

teaching are essential. The application should include supporting documents regarding success in teaching. German is not necessary to begin but will be expected as a teaching language within the first 5 years.

Experiences in research at universities and/or other academic institutions as well as the ability to lead a university institute are expected. Please digitally enclose the following documents to your application: CV, list of publications, list of third-party-funded projects, list of taught courses, research and teaching concepts, proof of teaching achievements, copies of certificates. Please also fill out the applicant questionnaire available here: <https://www.fb5.rwth-aachen.de/Appointment>.