



The Faculty of Physics and Earth Sciences seeks to fill the following junior professorship, funded by the Tenure Track Programme of the German Federal Government and the Federal States, from 1 October 2021:

Junior Professorship in Applied Near-Surface Geophysics and Remote Sensing (W1 with tenure track leading to W2)

The successful candidate will have an outstanding research record in the analysis of terrestrial transformation processes on human-relevant timescales. The position focuses on near-surface geophysics in relation to recent and past environmental, geological, geomorphological, hydrological or anthropogenic processes.

The appointee will combine ground truth data with advanced and innovative geophysical and remote-sensing methods. These methods include ground-penetrating radar, ERT (electrical resistivity tomography), near-surface seismic techniques, magnetic prospecting, direct push sensing, SAR (synthetic-aperture radar), LiDAR, as well as structure from motion or other UAV (unmanned aerial vehicle) based 3D remote sensing techniques. Combinations of novel observational methods and state-of-the-art methods in data driven modelling are desired.

The research focus of the junior professorship will preferably be in the context of geophysical and 3D remote sensing methods for climate impact research, analysis of natural hazards or the detection of anthropogenic forcing mechanisms.

The junior professorship will complement the scientific and methodological issues of the existing professorships in Physical Geography, Geoinformatics and Remote Sensing, Modelling Approaches in Remote Sensing, Remote Sensing in Geo- and Ecosystem Research and Remote Sensing of the Water Cycle in the Earth System, and form interfaces to these in research and teaching. The research topics of the professorship are intended to provide potential links to the faculty's joint research initiatives with the involvement of Unibund and the Helmholtz Centre for Environmental Research (UFZ).

Expertise in these fields will be demonstrated by the candidate's publication record and preferably a record of successful acquisition of external funding. Contributions to the Remote Sensing Centre for Earth System Research, a novel joint research initiative of Leipzig University and the Helmholtz Centre for Environmental Research (UFZ), are desired. The successful candidate will actively participate in the study programmes at the Faculty of Physics and Earth Sciences at Leipzig University. Teaching contributions will be in BSc and MSc courses in solid Earth, environmental geophysics, and remote sensing. Participation in academic self-governance is mandatory.

The tenure track professorship is considered a position for early career researchers. Therefore, the call is addressed to applicants with a completed doctoral degree, attributed with magna cum laude or higher, who seek further qualification and have not yet completed a habilitation. If applicants were employed as research associates or research assistants prior to or during the completion of their doctoral studies, the total period of employment and work on the doctoral thesis should not exceed six years (exceptions for child care times apply). Applicants should have changed universities after completing their doctorate or have been academically active outside the Leipzig University for at least two years. They should have completed their doctorate no more than four years ago.

The junior professorship is initially limited to three years. It will be extendable by a further three years subject to successful intermediate evaluation according to the Regulations on the Interim Evaluation Procedure for Junior Professors at Leipzig University (ZevaO). No later than five years after employment commences, a tenure evaluation will be conducted under the Regulations on the Constitution, Procedure and Evaluation of Tenure Track Professorships at Leipzig University (TTO). The evaluation procedure is based on a binding, mutual evaluation agreement concluded at the start of employment, which sets out the development goals and expectations with regard to the professor's individual performance in the categories of research, teaching, knowledge transfer as well as academic and non-university commitment and service. After successful tenure

evaluation, appointment to a permanent W2 professorship pursuant to Section 59(2), sentence 2 no. 2 of the Saxon Freedom of Higher Education Act (SächsHSFG) will take place without re-advertising the vacancy.

The jobholder's rights and obligations are regulated by Sect. 63, 64, 70 SächsHSFG and the Saxon Service Regulations for Higher Education Institutions (DAVOHS).

Leipzig University is committed to gender equality.

Severely disabled persons are encouraged to apply and will be given preference in the case of equal suitability.

Applications with the usual documents, a list of scientific work and academic teaching to date including records of teaching evaluations if available, as well as a certified copy of the highest academic degree acquired, should be sent, either by post or electronically as a single PDF file, to:

Leipzig University
Dean of the Faculty of Physics and Earth Sciences
Professor Christoph Jacobi
Linnéstraße 5
04103 Leipzig
Email: dekan@physik.uni-leipzig.de

by no later than **30 April 2021**.

Please note that it is not possible to guarantee confidentiality and rule out unauthorised access by third parties when communicating via unencrypted email.

Information about data protection in connection with the processing of personal data as required under the EU General Data Protection Regulation (GDPR)

Applicants are hereby informed about the processing of their personal data.

Controller:

The controller responsible for data protection within the meaning of the GDPR is

Leipzig University
Faculty of Physics and Earth Sciences
Linnéstraße 5
04103 Leipzig, Germany
dekan@physik.uni-leipzig.de
Website: www.uni-leipzig.de

Contact details of the data protection officer:

Data protection officer
Augustusplatz 10
04109 Leipzig
Phone: +49 341 97-30081
Email: dsb@uni-leipzig.de

Purpose and legal basis of the processing of personal data:

Any data you provide us with in connection with your application will be processed only for the purposes of this selection process and, where appropriate, in preparation for your employment. The legal basis of the processing of your personal data for appointing civil servants/for employment-related purposes is Art. 6(1) Sentence 1(e) in conjunction with (3), Art. 88 GDPR in conjunction with Sect. 111(6) of the Saxon Civil Servants Act (SächsBG) in conjunction with Sect. 4(1) Sentence 1 of the Saxon Data Protection Act (SächsDSG), and Sect. 26 of the German Federal Data Protection Act (BDSG). Insofar as you provide special categories of personal data during the application procedure within the meaning of Art. 9(1) GDPR (e.g. data concerning health, such as severely disabled status), that data will be processed so that you can exercise your rights in the field of employment and social security and social protection law and so that the controller can carry out its obligations in this regard under employment and social welfare law (Art. 9(2)(b) GDPR).

Disclosure to third parties:

Your application documents will be made available to the members of the appointment committee, which is composed of representatives of Leipzig University, the participating Equal Opportunity Commissioner, the Disability Officer if involved, the appointment officer, external assessors, the Rectorate, the Faculty Council,

the Faculty and University administration and the Saxon State Ministry of Science and the Arts (SMWK).

Personal data storage period:

The duration of the storage of personal data is governed by Sect. 11(4) of the Saxon Data Protection Implementation Act (SächsDSDG). This stipulates that data collected prior to the commencement of a service or employment relationship must be erased without undue delay as soon as it is established that a service or employment relationship will not be established. This does not apply if there is reason to believe that the erasure would harm the legitimate interests of the data subject.

If your application is successful, your documents will be added to your personnel file.

Your rights:

You have the following rights vis-à-vis the controller with regard to your personal data:

- Right of access (Art. 15 GDPR)
- Right to rectification (Art. 16 GDPR)
- Right to erasure (Art. 17 GDPR)
- Right to restriction of processing (Art. 18 GDPR)
- Right to data portability (Art. 20 GDPR)
- Right to object to data processing, where the data is collected based on Article 6(1) Sentence 1(e) or (f) (Art. 21 GDPR)
- Right to lodge a complaint with the competent supervisory authority (Saxon Commissioner for Data Protection, Bernhard-von-Lindenau-Platz 5, 01067 Dresden) (Art. 77 GDPR).

Obligation to provide data:

The provision of personal data is necessary to ensure the legality of the planned selection process. Failure to include relevant personal data in the application documents may result in your application not being considered for the post. Leipzig University's legal requirements during the selection process result in particular from Art. 33(2) of the Basic Law (GG), the Constitution of the Free State of Saxony (SächsVerf), the General Act on Equal Treatment (AGG), the Saxon Freedom of Higher Education Act (SächsHSFG), and budgetary law.