Reference number 58/2020

SENIOR SCIENTIST IN COMPUTATIONAL ECOLOGY AND/OR REMOTE SENSING (M/F/D)

Limited for 3 years with the possibility of extension by 3 years
100% of a full-time position
Salary: Besoldungsgruppe WI or Entgeltgruppe 13 TV-L

The Faculty of Physics and Earth Sciences seeks to fill the above position at the earliest opportunity.

The successful candidate’s duties and status under public service law, including time limits and conditions for renewal, are set out in Sect. 72 and 73 of the Saxon Freedom of Higher Education Act (SächsHSFG). A limited civil service appointment (Beamtenverhältnis auf Zeit) is possible if the requirements under civil service law are met. Employment shall be subject to the rules on fixed-term employment under the German Act on Fixed-Term Employment Contracts (WissZeitVG).

Leipzig is a vibrant hotspot for creativity in eastern Germany, known for its world-class research in biodiversity and ecosystem sciences. The Faculty of Physics and Earth Sciences at Leipzig University and the Helmholtz Centre for Environmental Research (UFZ) are preparing to establish a Remote Sensing Centre for Earth System Research to expand research in this area and better understand ecosystems in a changing world. The newly established lab Modelling Approaches in Remote Sensing (from 1 April 2020) is looking for a creative individual who shares our overarching interests in ecosystem functioning across scales. We particularly seek to complement our team with expertise in the following fields:

- Remote sensing approaches from regional to global scales (e.g. via joint interpretation of heterogeneous data streams, innovative measurements such as SIF, or data-cube approaches).
- Data-driven research (e.g. via state-of-the-art machine-learning, multidimensional analytics, spatiotemporal statistics, extreme event detection and attribution, or causal inference).
- Joint interpretation of in-situ observations and Earth observation (e.g. proximal and satellite remote sensing, or long-term ecological research data and EO).

Activities
- Developing an independent research line in one of the requested areas. We are looking for creativity and excellence!
- Independent teaching activities in the areas of remote sensing, and/or (geo)statistics and machine learning.
- Engagement in doctoral training and advising doctoral students and/or postdoctoral fellows, including those from collaborating groups.
- Commitment to apply for third-party funding.
- Supporting the faculty in achieving strategic goals in research and education.

Requirements
- Very good PhD in Earth Sciences, Physical Geography, Quantitative Ecology, Computer Sciences, Applied Mathematics, Environmental Physics or a related field.
- Willingness to work in a highly interdisciplinary environment.
- Fluency in one of the common languages of scientific computing (e.g. R, Julia or Python).

For further enquiries please contact Miguel Mahecha (miguel.mahecha@uni-leipzig.de), who will head the new lab from 1 April 2020.
Please send your application including 1) letter of motivation; 2) CV; 3) list of publications; and 4) names of up to three relevant academic references, quoting the reference number 58/2020, to dekan@physik.uni-leipzig.de

or to

Leipzig University
Dean of the Faculty of Physics and Earth Sciences
Professor Christoph Jacobi
Linnéstraße 5, 04103 Leipzig
Germany

by no later than 31 March 2020.

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

Disabled people are encouraged to apply and will be given preference in the case of equal suitability.

Privacy information
The personal data contained within your application documents or obtained during the interview will be processed exclusively for the purposes of the selection process for the position advertised. The legal basis for such data processing is Section 11(1) of the Saxon Data Protection Implementation Act (Sächs DSDG) in conjunction with the EU General Data Protection Regulation (GDPR). The controller for the application process within the meaning of the GDPR is the addressee of the application, as specified in the respective advertisement. When processing your application, your personal data will be passed on within Leipzig University to
- members of the selection committee
- the human resources management teams
- the Commissioner for Equal Opportunities
- the Disability Officers and
- if necessary, the Staff Council
as part of their organisational or statutory responsibilities.

Your personal data will be erased no later than six months after completion of the selection process. In accordance with the GDPR, subject to the relevant statutory requirements you have the following rights vis-à-vis the addressee of the application with regard to your personal data: right of access (Art. 15 GDPR); right to rectification of inaccurate personal data (Art. 16 GDPR); right to erasure (Art. 17 GDPR); right to restriction of processing (Art. 18 GDPR); and right to object to processing (Art. 21 GDPR). If you have any questions, please contact the Data Protection Officer at Leipzig University (office: Augustusplatz 10, 04109 Leipzig). You also have the right to lodge a complaint with the Saxon Commissioner for Data Protection.