

The Institute of Geography invites applications for a doctoral candidate position at the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) in Erlangen, Germany. **The position will preferably start in October 2023.**

Doctoral candidate, 3 years, 75%, Entgelt-/Bes.Gr. E13 (3 years)

The position is funded by a DFG research project LASSI, which is a collaborative project between the Institute of Geography and the Pattern Recognition Lab at FAU. It targets the spatio-temporal analysis of frontal ablation rates at calving glaciers throughout the Arctic by means of remote sensing data and machine learning approaches.

Required skills:

- MSc in Geography, Earth Sciences, Physics, Computer Sciences, Applied Mathematics or a related field with an very good grade
- Programming skills (Python, R, shell or similar)
- Affinity for scientific computing and development of processing algorithms
- Knowledge of analyzing remote sensing data
- Good reporting and presentation skills
- Excellent level of written and spoken English
- Ability to work independently, to critically assess own results and to cooperate within wider research team

Desired and advantageous skills are:

- Interest for understanding Earth System processes and their complex interactions
- Experience in SAR image analysis and/or big data processing
- Experience in machine learning
- Experience or interest in high-performance computing or cloud computing
- Demonstrated capacity for independent thinking and diligence

Proficiency in German can be advantageous but not required, as the working language is English

The candidates will be placed at the FAU Institute of Geography (<https://www.geographie.nat.fau.de/>), which offers a vivid working environment with specific research focus on mountain and polar regions. The desired starting date is October 2023. The employment is limited to 3 years due to project funds. Depending on qualification and personal requirements, this position is grouped into the Entgelt-/Bes.Gr E13. The Friedrich-Alexander Universität Erlangen-Nürnberg (FAU) is seeking to augment the number of women in research and teaching and specifically addresses female scientists to apply for this position We further encourage persons with disabilities to apply. If desired, a member of the equal opportunity office of FAU can participate in the selection process without any disadvantage for the applicant.

For your application, please send a single PDF to thorsten.seehaus@fau.de stating "DFG LASSI doctoral candidate" as subject.

The PDF should comprise:

- cover letter (stating your background and motivation for this project)
- CV
- transcript of records, other certificates (if any)
- max. two reference letters or contacts (if any)

Deadline for application: 11. June 2023, the position is open until filled. Further information: Dr. Thorsten Seehaus, Institute of Geographie, FAU phone: +49-(0)9131-85-23303, e-mail: thorsten.seehaus@fau.de