



Job Posting

The Bavarian Academy of Sciences and Humanities seeks applications for a full-time scientific post (Salary Grade E13) working in the project of Geodesy and Glaciology. Initial appointment will be for 2 years, with the option of renewal.

Located in Munich, the Bavarian Academy of Sciences and Humanities (BAW) is one of Germany's oldest Research Organisations, and operates the Leibniz Rechenzentrum (LRZ) as one of the most advanced HPC Centers worldwide. Within the Academy, the Geodesy and Glaciology project works on geodetic and glaciology research related to the role of *Alpine Mountain Glaciers and their role in the Earth System*. The project is charged with long-term monitoring of Mountain Glaciers and their interaction with Earth system components, such as the solid Earth, hydrosphere and climate. A new research focus is the development of sophisticated HPC simulation tools that will enable physics-based modeling of glacial dynamics and glacial interaction with other spheres of the Earth system.

We are looking for a researcher with strong expertise in the development and use of modern glaciology computer models. Such models should be able to represent the complex dynamic processes within glaciers and their interaction with other geospheres. Familiarity with advanced parallel HPC techniques and data assimilation methods is expected. To this end, computationally intensive model runs can be performed on HPC systems of the LRZ (e.g. Linux Clusters), and a close co-operation with LRZ staff is foreseen.

You have

- a PhD in Geophysics/Informatics/Mathematics/Physics or Glaciology
- strong expertise in the physics of glaciers and you are experienced in the use of HPC enabled software
- familiarity with glacial modeling software (e.g., ELMER ICE, or other Full-Stokes Solvers) and you are able to lead and implement new model developments
- excellent knowledge of computer languages such as C, C++ or Fortran
- a keen interest to collaborate with LRZ staff to efficiently apply advanced computing resources of the LRZ
- the physical conditions to join field campaigns related to our glacial monitoring programs
- a strong publication record and a keen interest to collaborate with other members of Geodesy and Glaciology project

The BAW is an equal opportunity employer and encourages applications from female candidates. Disabled candidates with essentially equal qualifications will be given preference in accordance to the rules and regulations of SGB IX. The post

is conditionally suitable for candidates with disabilities. Part-time work is possible, as long as Job-Sharing allows to fulfill the duties of the full time post.

If you find this post of interest, please send your detailed application (exclusively by Email as a single PDF document) until **May 15, 2017** to post@keg.badw.de. You may address questions to the same Email-address or call Dr. Voelksen (+49 89 23031 1272).