

The Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences is the national research centre for Earth sciences in Germany. With approx. 1180 employees, the GFZ is conducting interdisciplinary research on the “System Earth” and the influence of humans on the planet. As a member of the Helmholtz Association, it is part of Germany’s largest science organization.

For Section 3.2 / Department 3 “Geological Systems” we invite applications for a

PhD position on structural geology (m/f).

Job Vacancy No. 73/32/15 D

The Section 3.2 “Geomechanics and Rheology” of the GFZ Potsdam is opening a position in the project “Influence of Heterogeneities on the Initiation of Shear Zones in the Ductile Regime”, funded by the German Science Foundation - *Deutsche Forschungsgemeinschaft (DFG)* for 2+1 years.

Your tasks:

- The successful candidate will perform high temperature/high pressure deformation experiments in Paterson gas medium triaxial and torsion apparatuses.
- Microstructural analyses of the deformed samples will be performed under optical, scanning and transmission electron microscopy.
- Quantification of crystallographic preferred orientations (CPO) will be conducted by electron backscatter diffraction (EBSD).
- The experimental results will be compared with natural shear zones.

Your qualifications:

- Applicants should hold a MSc degree (or equivalent) in geology or geophysics, with strong background in structural geology and rock mechanics.
- Expertise in experimental deformation of rocks and microstructural analyses will be considered as an advantage, but not a necessity for the application.
- The ability and willingness to work in an interdisciplinary and international environment and a fluent knowledge of the English language are required.

Starting date:	01 January 2016
Fixed term:	2+1 years
Working hours:	part-time 75%, currently 29.25 h/week
Salary:	EG 13 TVöD-Bund (Ost)

You can expect a very diverse and challenging job in an international work environment that is characterized by exciting research projects. The compatibility of work and family life is of particular concern to the GFZ. Therefore, it offers the opportunity for flexible working time and workplaces. Moreover, there is a kindergarten located on the research campus.

The GFZ is a partner with Geo.X (www.geo-x.net), and as such it is well connected with other geoscience institutions in Potsdam und Berlin. Geo.X forms the largest regional cluster of geoscientific expertise in Europe and offers excellent opportunities for cooperation and development.

Please submit your application by **31 October 2015** quoting the reference no. **73/32/15 D** via email to applications@gfz-potsdam.de. Please combine your application documents into a single PDF file with a size of up to 3 megabytes.

Equal opportunity is an inherent part of our personnel policy. Therefore we are particularly welcoming applications from qualified women. Severely disabled persons will be given preferential treatment in the case of equal qualification. We will retain your application documents for at least three months, even if the application is not successful. They will not be returned.

If you have any questions regarding this job offer, please feel free to call Ms Kirsch at +49 (0) 331-288-28878.

Potsdam, 9. September 2015

www.gfz-potsdam.de