



Ph.D. student Aqueous Geochemistry/Thermodynamics

The Division of Mineralogy and Petrology at the Institute of Earth and Environmental Sciences, University of Freiburg in Germany invites applications for a Ph.D. position in aqueous geochemistry and thermodynamics, funded by the German Research Foundation within the priority program DOME.

The successful candidate will complement our strength in fluid-mineral interaction and is expected to develop a new thermodynamic model and dataset for solutes in low-density aqueous fluids at high temperatures. This approach will extend our capability to geochemically model metal transport in high-temperature geological systems, in particular during magmatic devolatilization, hydrothermal ore formation and in geothermal systems.

We are seeking a highly motivated, self-reliant and creative individual communicating fluently in English and with ability to carry out scientific research and disseminate the results. The candidate should hold an M.Sc. or equivalent degree in geology, chemistry or physics at the time of appointment, and have demonstrated strong skills in computational methods and programming. The Ph.D. position is paid 75 % TV-L E13 and available immediately for 3 years.

The priority program DOME offers excellent opportunities for scientific networking in the fields of geochemistry and mineral resources, with additional educational opportunities including short courses and workshops. The University of Freiburg is a research-oriented university located in southwestern Germany, with a very high living standard, multicultural environment at the border of Germany, Switzerland and France, and excellent access to leisure-time and outdoors activities in the Black Forest, Vosges, Jura and the Alps.

Applications should include curriculum vitae, academic record including the M.Sc. certificate, summary of a M.Sc. thesis, brief statement of research motivation and interests and contact details to two references. The applications should be sent preferably as a single PDF file to Professor David Dolejs at david.dolejs@minpet.uni-freiburg.de

The evaluation of applications will begin on **January 18, 2021** and continue until the position is filled.

The University of Freiburg is an equal opportunity employer and committed to increasing its proportion of female employees. We strongly encourage applications from women as well as candidates with disabilities who will be given preference when equally qualified.

Albert-Ludwigs
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