



The Department of Materials and Geosciences at TU Darmstadt seeks to fill the position of a

Professorship Mineralogy and Petrology (W3)

About TU Darmstadt

TU Darmstadt stands for excellent and relevant science. We are playing a decisive role in shaping far-reaching processes of global change—from energy transition to artificial intelligence—through outstanding scientific knowledge and innovative academic programmes. We group our cutting-edge research into three fields: Energy and Environment, Information and Intelligence, Matter and Materials. We are a university with strong ties to the Frankfurt Rhine-Main metropolitan region and a very strong international focus. We are committed to European values and European integration.

About our institute

The Institute of Applied Geosciences (IAG) in the Department of Materials and Geosciences at the Technical University of Darmstadt focusses on the key topics Water - Energy - Environment. In environmental research, the geosciences can make significant contributions in the areas of water, soil and atmosphere, e.g. the behavior of pollutants in natural environmental compartments or climate research.

In-depth knowledge of mineralogical and petrological principles is a prerequisite for these topics, both in teaching and in application-oriented research. Through its specific research profile, the professorship contributes in particular to environmental research at the Institute and forms an essential core competence for the Institute's environmental geoscience-oriented fields of work, such as soil mineralogy and soil chemistry, aquatic geochemistry and atmospheric and aerosol research. It can also contribute to other applied issues, e.g. in the field of energy research, engineering geology or hydrogeology. The activities are integrated into the research field Energy and Environment (E+E) at TU Darmstadt.

Your tasks

The professorship should represent the subjects of mineralogy and petrology, in relation to the applied and engineering-oriented environment of a technical university, in research and teaching, and establish an internationally visible research group. The applied research focus of the professorship should be at least in one of the areas of 'Clay Minerals and Clay Rocks', 'Low Temperature Petrology' or 'Sedimentary Petrology'.

The willingness to actively participate in TU-internal, national or international research networks is required. The professorship should also participate in undergraduate teaching in the geosciences and, in particular, take responsibility for mineralogical and petrological introductory modules. In addition, courses relating to one or more of the above-mentioned main research topics of the institute should be offered at Bachelor's and Master's level. This includes active participation in geoscientific field education, especially in excursions and mapping courses.

A strong willingness for national and international cooperation and interdisciplinary work both within the department and with other departments at TU Darmstadt is expected.

Your profile

We are looking for an internationally recognized scientist with a research profile that further strengthens the profile of the institute. We expect a degree in geosciences or a related subject, followed by a qualified doctorate. In addition, you should have a proven track record of successful acquisition of third-party funding and visible research contributions in the applied disciplines of mineralogy and petrology. Experience in leading or participating in project networks is an advantage. In addition, we require didactic and pedagogical aptitude as well as a willingness to participate in academic self-administration.

As part of the Frankfurt Rhine-Main metropolitan region, Technical University of Darmstadt and its surroundings are characterized by living internationality. The core element of this is a cosmopolitan climate with functional multilingualism at our university. Therefore, very good English and, at the latest after three years, good German language skills are expected.

The appointment is on a civil service basis or in a non-tariff employment relationship with a qualification-dependent salary/remuneration in accordance with the W salary. This is negotiated between the applicant and the university management. The other employment requirements are based on § 67 and § 68 HessHG (Hessisches Hochschulgesetz).

We offer

Technical University of Darmstadt offers varied and challenging assignments, freedom to work independently, the latest technologies, good collaboration between colleagues in partnership, needs-based training opportunities and customised personnel development.

- **Development and organisation** – comprehensive in-house training offers, including the opportunity for continuing education and development;
- **Sustainable and mobile** – eligibility to free public transport in the state of Hesse with the LandesTicket Hessen (Hesse StateTicket), in addition to opportunities to working mobile at times;
- **Fit and healthy** – free of charge preventive medical check-ups and a wide-ranging subsidised sports programme
- **Family-friendliness and career** – Technical University of Darmstadt is certified as a family-friendly university and offers a dual career program.

TU Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications, applicants with a degree of disability of at least 50 or equal will be given preference.

Your application

Please send applications with the usual documents (letter of application, academic curriculum vitae, teaching and research concept, lists of publications and teaching activities (if possible with evaluation results), acquisition of third-party funding and other scientific activities, as well as copies of relevant degrees) and stating the reference number to the following address: Dean, Department 11 Materials and Earth Sciences, Technische Universität Darmstadt, Peter-Grünberg-Straße 2, 64287 Darmstadt, or as a pdf file by e-mail to dekanat@matgeo.tu-darmstadt.de

If you have any questions about this position, please contact the Vice-Dean of the Department of Material- and Geosciences, Prof. Dr. Christoph Schüth (schueth@geo.tu-darmstadt.de).

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. You can find our → **privacy policy** on our webpage.

Code No. 4

Published on February 14, 2025

Application deadline March 31, 2025