



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Associate (PostDoc) - salary grade E13 TV-L Berliner Hochschulen - 2nd qualification phase (to take up a professorship for the first time)

part-time employment may be possible

Faculty II - Institute of Mathematics / Chair for numerical methods for partial differential equations

Reference number: II-636/24 (starting at the earliest possible / limited for 5 years / closing date for applications 06/12/24)

Working field:

- Research and teaching at the Institute of Mathematics within the chair of numerical methods for partial differential equations (PDEs)
- Research within the fields of the chair for numerical methods for PDEs, for example the development of new methods for simulation and/or optimization of convection-dominated flow problems
- Teaching (4 hours per week for a full-time position) in courses for math- and non-math majors, in particular in the area of numerical methods, including supervision of seminars and assistance for lectures, teaching of exercise classes, and co-supervision of BSc and MSc students/theses

Requirements:

- Successfully completed university degree (MSc, Diplom or equivalent) in mathematics, technomathematics, or equivalent, or in scientific computing, or in a field of study with a comparable specialisation
- At the time of hire, proof of completion of doctoral degree (PhD) must be provided
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills
- Profound knowledge in numerical methods for PDEs

Desired qualifications:

- Doctoral degree (PhD) in mathematics with emphasis on numerical methods for PDEs
- Profound knowledge in finite volume and/or finite element schemes
- Profound knowledge in numerical analysis (error/stability analysis of methods)
- Very good programming skills in ideally several languages and experience in using bigger software packages
- Teaching experience
- Team spirit, working cooperatively

More information can be obtained from Prof. Dr. Sandra May (may@math.tu-berlin.de).

Please send your application **with the reference number** and the usual documents (in particular short motivation letter, complete and up-to-date curriculum vitae, names and contact details of at least 2 referees, Master's degree) by email (single pdf file, max. 5 MB) **to Sachiyo Yamauchi (personal@math.tu-berlin.de)**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät II, Institut für Mathematik, Prof. Dr. Sandra May, Sekr. MA 1-0, Straße des 17. Juni 136, 10623 Berlin

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

