



Technische Universität Berlin offers an open position:

## Research Associate (PostDoc) - salary grade E13 TV-L Berliner Hochschulen

Part-time employment may be possible

**Faculty II - Institute of Mathematics / Stochastics und Mathematical Finance**

**Reference number:** II-401/24 (starting at 01/10/24 / limited until 30/06/2028 / closing date for applications 30/09/24)

### Working field:

SFB/Transregio 388 "Rough Analysis, Stochastic Dynamics and Related Fields" investigates the interplay between rough analysis and stochastic dynamics. Central aspects include rough paths and subsequent developments for nonlinear stochastic partial differential equations. The theory of signatures and rough volatility also provides important connections to algebra, statistics, and financial mathematics.

Website: <https://sites.google.com/view/trr388/>

Your task will be to carry out research in Project A03 "Random Interface Models, Scaling Limits and Large Deviations" within the SFB/Transregio 388.

### Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) and doctorate in Mathematics at the start of employment
- Very good knowledge of stochastic processes and stochastic dynamics
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

### Desirable:

- If possible experiences with statistical mechanics, random fields, large deviations and/or variational analysis

More scientific information can be obtained from Prof. Jean-Dominique Deuschel ([deuschel@math.tu-berlin.de](mailto:deuschel@math.tu-berlin.de)) und Prof. Wolfgang König ([koenig@math.tu-berlin.de](mailto:koenig@math.tu-berlin.de)).

Please send your application with the reference number and the usual documents by email (single pdf file, max. 2 MB) to Ms Kati Gabler ([gabler@math.tu-berlin.de](mailto:gabler@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 guaranty 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/](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.

Technische Universität Berlin - Die Präsidentin - Fakultät II, Institut für Mathematik, Prof. Dr. Wolfgang König, Prof. Dr. Jean-Dominique Deuschel, Sekr. MA 8-3, Straße des 17. Juni 136, 10623 Berlin

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

