



Technische Universität Berlin offers an open position:

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

part-time employment may be possible

**Faculty VI - Institute of Geodesy / Planetary Geodesy**

**Reference number:** VI-130/25 (starting at the earliest possible / for 36 months / closing date for applications 25/04/25)

### Working field:

The Moon is exposed to strong tidal forces and undergoing recurring cycles of deformation. The Postdoc will develop and evaluate full 3D viscoelastic tidal deformation models, correspondingly. The postdoc will adapt the well-known mantle convection code GAIA, previously developed at DLR (German Aerospace Center), to include this type of tidal modeling. The postdoc will participate at regular meetings organized by the GAIA code developer team at DLR to develop the viscoelastic tidal model and couple it with the convection code.

### Requirements:

- Successfully completed scientific university studies (Master, Diplom or equivalent) and PhD in physics/geophysics/mathematics or similar
- Solid programming experience in high level computer languages such as C++, Fortran, Python or similar
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills.

### Desirable:

- Experience with parallel computing, in particular MPI

Please send your application with the **reference number** and the usual documents **only by email** (combined in a single pdf file, max 5 MB) to Prof. Jürgen Oberst ([juergen.oberst@tu-berlin.de](mailto:juergen.oberst@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/](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 VI, Institut für Geodäsie und Geoinformationstechnik, FG Planetengeodäsie, Prof. Jürgen Oberst, Sekr. KAI 2-2, Kaiserin-Augusta-Allee 104-106, 10553 Berlin

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

