



Technische Universität Berlin offers an open position:

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

under the reserve that funds are granted - part-time employment may be possible

Topic 'Urban Ecohydrological Modelling' as part of an Einstein Visiting Fellowship of Prof. Chris Soulsby (University of Aberdeen)

Faculty VI – Institute of Civil Engineering / Chair of Water Resources Management and Modeling of Hydrosystems

Reference number: VI-143/23 (starting at 01/07/23 / until 28/02/25 / closing date for applications 26/05/23)

Working field:

- research as part of the MOSAIC 2.0 project (Modeling Surface and Groundwater with Isotopes in urban Catchments)
- hydrological/eco-hydrological modelling of water partitioning and flow paths in urban hydrosystems
- fusion of novel data in urban hydrological models, especially isotopic tracers
- co-ordination and storage of data; documentation and archiving of model codes
- preparing scientific publications for submission to leading journals
- contribution to organization and implementation to field data collection programmes
- collaborations within the DFG-funded Research Training Group 'Urban Water Interfaces (UI) with partners at the TU Berlin and Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) and other stakeholders

Requirements:

- successfully completed university degree (Mater, Diplom or equivalent) and PhD in hydrology or related branch of environmental science/engineering
- experience in hydrological modelling of water movement in soils, aquifers and surface channels
- expertise in developing and adapting model codes
- proficient in common modelling codes (e.g. Matlab, C++, "R" etc.)
- ability to plan, manage and work in collaborative projects
- verbal, team and organizational skills; flexibility, independent work and interest in new challenges; willingness to travel
- fluent command of German and English required; willingness to learn either English oder German is expected

More information about the Chair of Water Resources Management and Modelling Hydrosystems of the TU Berlin can be found under: www.tu.berlin/wahyd and more information on Prof. C. Soulsby can be found under: <https://www.abdn.ac.uk/geosciences/people/profiles/c.soulsby>.

For further information you can contact Prof. C. Soulsby (Einstein Visiting Fellow; project PI) by email: c.soulsby@abdn.ac.uk or Prof. R. Hinkelmann by email: reinhard.hinkelmann@wahyd.tu-berlin.de.

Please send your application with the **reference number** and the usual documents (letter of motivation indicating research interests and experience, CV including 2 references, PhD, Bachelor and Master certificates) to Prof. Dr.-Ing. R. Hinkelmann only **by email** (single pdf file; max. 5MB) to reinhard.hinkelmann@wahyd.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.abt-2-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 VI, Institut für Bauingenieurwesen, FG Wasserwirtschaft und Hydrosystemmodellierung, Prof. Dr.-Ing. Reinhard Hinkelmann, Sekr. TIB I-B 14, Gustav-Meyer-Allee 25, 13355 Berlin

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

