



In the Department of Civil and Environmental Engineering at the Technical University of Darmstadt the Institute of Numerical Methods and Informatics in Civil Engineering is offering up to three 100% positions from 01.05.2024 for a

Research Assistant (all genders)

to work in research and teaching in a limited employment relationship for an initial period of 3 years with a possible extension of up to 5 years. The position is classified according to pay group 13 of the TU Darmstadt collective agreement (TV-TU Darmstadt).

Who we are:

The Institute of Numerical Methods and Informatics in Civil Engineering is concerned with the research of computer-based methods for modelling and simulation of scientific engineering tasks. This includes design, development and application of innovative procedures, methods and demonstrators of information and communication technology for design, construction, management, deconstruction and circular economy of buildings for the digital transformation in Civil and Environmental Engineering. We are characterized by our collegiality and cooperation and are looking for team members who work independently and are committed to researching and teaching with us.

Your tasks:

Support of the institute in research and in German and English language teaching in the areas of digital building modelling (BIM) / Digital Twin, virtual, augmented and extended reality (VR/AR/XR) as well as machine learning methods/artificial intelligence.

Your profile:

If you have completed your universal degree (Master M.Sc.) and are interested in digital building modelling (BIM)/Digital Twin or VR/AR/XR or machine learning methods/artificial intelligence in research and teaching, please send your application to the e-mail address below.

What we offer:

The Technical University of Darmstadt offers diverse and challenging tasks, independent work, up-to-date technologies, good collegial and cooperative cooperation, demand-oriented training opportunities and individual personnel development. •

- Development and design – A comprehensive range of in-house training opportunities as well as opportunities for further qualification and development
- Leave/educational leave – 30 days of leave per year (for full-time leave) and 5 days of educational leave
- Sustainable and mobile – Free travel on all regional transport in Hesse through the LandesTicket Hessen in accordance with the applicable tariff regulations as well as mobile working
- Fit & Healthy – Free medical check-ups and extensive discounted sports activities, Work-life balance – flexible working time models; Occupational health management
- Retirement provision- Supplementary pension scheme for the public sector (VBL) in accordance with the applicable provisions
- Bicycle leasing
- Family-friendliness/compatibility of family/care/work - Childcare services as well as payment of a child allowance (in accordance with collective bargaining provisions), holiday offers
- Collaboration in an interdisciplinary, committed and motivated team
- A lively research environment (e.g. basic and industry-related research, Extended Reality (VR/AR/XR) - Lab DACES)
- The specialization of your individual field of research can be determined according to personal interest.
- The topic of the doctorate can be found according to personal inclination at the initial stage of employment.
- Basic information about the doctorate can be found at Ingenium at Technical University of Darmstadt and especially for this call for applications is your contact Prof. Dr.-Ing. Uwe Rüppel.
- Professional and personal development in practical and future-oriented research projects
- Demand-oriented training opportunities as well as individual personnel development
- Participation in national and international conferences, trade fairs and seminars
- State-of-the-art work equipment and high-performance computers
- Near-natural and easily accessible location with canteen, bistro and beer garden on the Lichtwiese campus of the TU Darmstadt

Opportunity for further qualification (doctoral dissertation) is given. The fulfillment of the duties likewise enables the scientific qualifications of the candidate.

The Technische Universität 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. Part-time employment is generally possible.

Contact person/application

Applications should be sent with the usual documents, stating the identification number, to Prof. Dr.-Ing. Uwe Rüppel, Franziska-Braun-Str. 7, 64287 Darmstadt, Germany, e-mail: rueppel@iib.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.

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Application deadline March 20, 2024