



To strengthen our team in the department "Non-Destructive Testing Methods for the Construction Industry" in Berlin-Steglitz as of 01.04.2025, we are looking for a

## **Research assistant (m/f/d) in the field of civil engineering, physics, geophysics, electrical engineering or cf.**

Salary group E13 TVöD  
Fixed-term contract until 31.12.2028  
Full-time/part-time suitable

The Federal Institute for Materials Research and Testing (BAM) is a higher scientific and technical federal authority based in Berlin. As a departmental research institution of the Federal Ministry for Economic Affairs and Climate Action, we research, test and advise on the protection of people, the environment and property. The focus of our activities in materials science, materials technology and chemistry is the technical safety of products and processes.

Become part of our team of committed employees!

**Your tasks:** Collaboration in project 8083: SFB 1683 (Methods of interaction for the modular reuse of existing load-bearing structures), subproject B02: (Assessment methods and classification models for the reuse of reinforced concrete elements), cooperation with Ruhr-Universität Bochum.

- Creation of an investigation concept for the evaluation of reinforced concrete elements to be reused with non-destructive testing methods
- Extensive measurements on test specimens and real building components with various non-destructive testing methods and evaluation
- Correlation of the results of the non-destructive testing methods with sought-after initial variables with regard to condition and durability
- Creation of a concept for associated databases (research data management)
- Preparation of scientific publications and reports
- Opportunity to do a doctorate

### **Your qualifications:**

- Completed scientific university degree (diploma/master) in the field of civil engineering, physics, geophysics, electrical engineering or cf.
- Practical experience with non-destructive testing methods in the construction industry
- Practical experience in data evaluation with statistical methods
- Very good IT skills
- Programming skills (Python, Matlab) are desirable
- Basic knowledge of civil engineering is desirable
- Experience in dealing with building materials is an advantage
- Very good written and spoken English skills
- Willingness to travel nationally and internationally

- Construction site suitability
- Very good written and spoken German skills are an advantage
- Good communication and information skills, goal-oriented and structured way of working, initiative/willingness and ability to work, ability to work in a team and willingness to cooperate, as well as flexibility

#### **Our services:**

- A varied and challenging job within a top-class network of politics, science, business and society
- Attractive and modern working environment with excellent infrastructure and state-of-the-art equipment (laboratories, etc.)
- Opportunities for internal, interdisciplinary networking and participation in team events
- Research and development scope for your own innovative ideas
- Opportunity to actively participate in the development of quality and safety standards
- Good work-life balance (possibility of mobile working [up to 60%], flexible working hours, 30 days of vacation and up to 12 days of compensatory time per year as well as part-time opportunities)

**Your application:** We look forward to receiving your application via our [application management system](#) by 02.03.2025. Alternatively, you can also send your application to the reference number 18/25-8.2 by post to the following address:

Federal Institute for Materials Research and Testing  
Division Z.3 - Personnel  
Unter den Eichen 87  
12205 Berlin  
[www.bam.de](http://www.bam.de)

If you have any technical questions about this position, please contact Dr. Niederleithinger on +49 30 8104-1442 or by e-mail at [ernst.niederleithinger@bam.de](mailto:ernst.niederleithinger@bam.de) or Dr. Bijeljic by e-mail at [jelena.bijeljic@bam.de](mailto:jelena.bijeljic@bam.de).

BAM promotes professional equality between women and men. We therefore particularly welcome applications from women. At the same time, we strive to reflect social diversity. Therefore, every application, regardless of their gender, cultural or social background, religion, ideology or sexual identity, is welcome.

In addition, BAM has set itself the goal of the professional participation of severely disabled people. With regard to the fulfilment of the tender requirements, an individual consideration is made. Severely disabled persons or persons treated as such will be given preference if they are equally qualified.

The advertised position requires a high degree of physical aptitude.

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**I am interested and would like to apply**

**Back**

Since 2015, BAM has been certified as a family- and life-phase-conscious employer by the "audit berufundfamilie" and actively supports the compatibility of work and family life.

