

## Stellenausschreibung

The Faculty of Civil and Environmental Engineering at the Bauhaus-Universität Weimar is seeking to fill a position at the Chair of Stochastics and Optimization starting **September 15, 2025**.

### **Research Assistant (m/f/d)**

with the aim of promoting one's own scientific qualification by participating in a DFG-funded research project. The position is initially limited to 3 years. An extension is possible in accordance with the applicable regulations of the Wissenschaftszeitvertragsgesetz. This is a 75% part-time position with a weekly working time of 30 hours. The position includes a qualification component.

The DFG-funded project entitled »Fast and smart approach for buildings Risk Assessment using open accessible geostatistical data and data-driven classification methods - SmartRA« aims to propose a digitally supported fast visual analysis method that uses drone-based and geostatistical information to achieve a highly efficient, more reliable, versatile and fast assessment of the vulnerability of buildings to earthquakes in a neighborhood.

#### *Responsibilities:*

- Work in the above mentioned DFG project, in particular:
- Development and application of fuzzy logic or machine learning methods to evaluate buildings according to structural characteristics and susceptibility to damage;
- Integration and visualization of building data in GIS systems (e.g. ArcGIS);
- Analysis and processing of geostatistical information for risk assessment;
- Programming analytical tools in Python or MATLAB ;
- Implementation of numerical modeling and simulations for the analysis of earthquake effects (knowledge of SAP2000 and 3MURI is an advantage);
- Collaboration with interdisciplinary research partners;
- Publication and presentation of research results;
- Participation in academic self-administration and committee work;
- Implementation of a doctoral project in the field of earthquake engineering.

#### *Recruitment requirements:*

- Completed university degree in civil engineering, structural engineering or building services engineering;
- Sound knowledge of structural analysis and earthquake engineering;
- Experience with MATLAB/Python (SAP2000 and 3MURI an advantage);
- Good knowledge of GIS-supported data acquisition and geostatistical analysis;
- Very good knowledge of English and good knowledge of German (Italian, Greek or Turkish an advantage);
- Knowledge of construction methods in earthquake-prone regions of Europe;
- Analytical thinking and structured way of working;
- Experience in scientific or professional committee work is an advantage.

#### *We offer:*

- a small, dynamic team with an appreciative working atmosphere, embedded in a diverse and exciting scientific environment at the Institute of Structural Mechanics;
- individual offers for professional and personal qualification at the professorship and through the Bauhaus Research School;
- a high degree of flexibility and self-determination in the organization of working hours at a family-friendly university;
- a modern, well-equipped and pleasant workplace;
- a salary in accordance with the provisions of the collective agreement for the public service of the federal states (TV-L);

- a university health promotion program and a wide range of university sports activities, and
- a workplace close to the city center in a highly attractive city.

Payment is based on the provisions of the Collective Agreement for the Public Service of the Federal States (TV-L) in accordance with personal requirements up to pay group 13 TV-L.

If you have any questions regarding your application, please contact Prof. Dr. Tom Lahmer by e-mail at [tom.lahmer\[at\]uni-weimar.de](mailto:tom.lahmer[at]uni-weimar.de).

Diversity and supporting equal opportunities are important at the Bauhaus-Universität Weimar.

We are committed to providing a family-friendly and non-discriminatory work environment and operate under a personnel policy founded on equality and diversity.

We particularly welcome applications from individuals with diverse backgrounds, experiences and professional histories. One of the strategic goals of the Bauhaus-Universität Weimar is to increase the proportion of women in scientific/artistic/academic positions.

The Bauhaus-Universität Weimar expressly invites women scientists, designers and artists to apply.

Equally qualified people with disabilities will be given preferential consideration.

Please send your application with the usual informative documents (Master's certificate, incl. overview of grades, CV, proof of previous employment if applicable) and stating your telephone/email connection electronically (complete PDF), quoting the **reference number B+U/DMP-15/25**, by **25.07.2025** to:

Bauhaus-Universität Weimar  
Fakultät Bau- und Umweltingenieurwissenschaften  
Professur Stochastik und Optimierung  
Herrn Prof. Dr. Tom Lahmer  
Marienstraße 15  
99423 Weimar

E-Mail: [tom.lahmer@uni-weimar.de](mailto:tom.lahmer@uni-weimar.de)

The interviews are expected to take place between **August 6 and 12, 2025** in Weimar.

#### **Information on Data Protection**

Please note that the confidentiality of unencrypted e-mails cannot be guaranteed. Because the Bauhaus-Universität Weimar is unable to guarantee encrypted receipt of your e-mail, you may also submit your application via post to the above address.

When an application is submitted electronically, the applicant consents to the scanning of the submitted files for harmful codes, viruses, and spam, to the temporary storage of the required data, and to the conduct of future (unencrypted) e-mail correspondence.

Additional information on data protection pursuant to Art. 13 of the EU Basic Data Protection Regulation (EUDSGVO) can be found on our website:

<https://www.uni-weimar.de/de/universitaet/aktuell/stellenausschreibungen/datenschutz/>

**Please note that only the German-language version of this job vacancy notice is legally binding.**