Technische Universität Dresden

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Civil Engineering**, the **Institute of Concrete Structures** invites applications for the

PD Endowed Chair (W2) of Resource-Efficient Building Design

to be filled at the **earliest possible date** for a limited period of five years**.**

Key Duties and Academic Responsibilities

The endowed chair is intended to raise the profile of a scientific field at TU that makes an important contribution to climate neutrality and resource efficiency in the construction industry and strengthens interdisciplinary cooperation between the faculties of Civil Engineering, Architecture and Environmental Sciences. The benefactor of the chair, PD - Berater der öffentlichen Hand GmbH, would like to actively support this profile raising by establishing the endowed chair and by joint research activities. Particular emphasis is placed on the direct applicability of the research results achieved in the PD's practical projects, both from a technical and a process-related perspective.

The chair will actively represent the scientific fields of resource-efficient civil engineering in research and teaching. The teaching duties will cover the diploma program in Civil Engineering including the distance learning program in Civil Engineering as well as the English-language master's program in *Advanced Computational and Civil Engineering Structural Studies* (ACCESS). In view of the research orientation of the endowed chair, teaching obligations are reduced to two hours per week. The chair will have joint use of the very well-equipped Otto Mohr Laboratory to conduct experimental studies.

Requirements & Candidate Profile

We expect you to successfully acquire third-party funding from federal (DFG, BMBF, etc.) or EU funding. We attach particular importance to your willingness to cooperate with other chairs of the Faculty of Civil Engineering or other faculties of TUD. At the same time, we would like to see you working closely with non-university research institutions in the vicinity of TUD. Your participation in the academic self-administration as well as the willingness to teach in English is a prerequisite.

We are seeking an outstanding individual with excellent academic qualifications in civil engineering, industrial engineering and management, or architecture, who has a strong track record in at least one of the following areas:

— Development of resource-efficient, cost-effective and flexible building concepts through circular material use, standardized construction methods and adaptable buildings throughout their entire life cycle.
— Development of innovation-friendly tendering and approval processes that are legally sound, shorten planning times and enable the systematic transfer of pilot projects and experimental construction methods into regular operation.
— Digitization, automation and industrialization in the construction industry to increase the efficiency of planning, execution and operation of buildings.

Your profile is characterized by:
— academic excellence, demonstrated by relevant national and international scholarly publications, successful acquisition of third-party funding, and participation in research projects,
— experience in teaching in the field of civil engineering, evidenced by teaching assignments and/or teaching evaluations, and
— very good command of both German and English.

The following qualifications are also desirable:
— relevant practical experience, demonstrated through active work outside a university/research institution in the planning and/or execution of demanding construction projects,
— leadership skills acquired through work as a manager and experience in team development,
— active participation in standardization bodies or other technical committees,
— experience in academic self-governance.

The requirements for appointment, the official duties and the administrative status are governed by §§ 59, 69, 71 of the Act on Higher Education Institutions in the Free State of Saxony (SächsHSG) and the Saxon Regulation on Official Duties at Higher Education Institutions (HSDAVO).

For questions, please contact the head of the appointment committee, Prof. Dr.-Ing. Steffen Marx, phone: +49 351 463-35856; email: steffen.marx@tu-dresden.de.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Civil Engineering (Frau Dr.-Ing Sabine Damme-Lugenheim, +49 351 463-32023, email: gleichstellung.biw@mailbox.tu-dresden.de) or our Representative of Employees with Disabilities (Mr. Roberto Lemmrich, +49 351 463-33175).

We look forward to receiving your application by **July 20, 2026** (time stamp on the email server or the stamped arrival date of the university central mail service of TUD applies).

How to Apply
Please attach the following documents to your letter of application:
— curriculum vitae in tabular form, synopsis of the academic career
— list of academic publications including the five most important publications (full text) and overview of research projects with details of third-party funding acquired
— list of courses taught, results of teaching evaluations covering the last three years
— research and teaching concept
— and copies of the certificates of all academic degrees.

We kindly ask you to submit your application by email. Please use the SecureMail Portal of TUD (https://securemail.tu-dresden.de) and send your documents in a single PDF document to: **resource-efficient.biw@tu-dresden.de**. If you are applying by regular mail, please also attach your application documents in electronic form (CD or USB thumb drive) and send them to:

TU Dresden, Fakultät Bauingenieurwesen, Institut für Massivbau, Herrn Prof. Dr.-Ing. Steffen Marx, Helmholtzstr. 10, 01069 Dresden, Germany.