Technische Universität Dresden (TUD), 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 as soon as possible for the

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

for a limited period of six years, to be filled on April 1, 2023.

The endowed chair is intended to raise the profile of a scientific field at TU Dresden 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 professorship and by joint research activities. The research results achieved are to be implemented as directly as possible in the PD's practical projects.

We seek applicants (m/f/x) who are committed to representing the scientific fields of resource-efficient civil engineering in research and teaching. Your 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. You will have joint use of the very well-equipped Otto Mohr Laboratory to conduct experimental studies. 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 TU Dresden. At the same time, we would like to see you working closely with non-university research institutions in the vicinity of TU Dresden. Your participation in the academic self-administration as well as the willingness to teach in English is a prerequisite.

The successful candidate will have an outstanding scientific qualification in civil engineering or a closely aligned field with significant experience in one of the following research fields:

- Existing buildings: Development of resource-efficient and sustainable maintenance and renovation methods for buildings,
- Development of new, resource-efficient building principles (carbon concrete, wood-concrete composite construction, natural building materials, ...)


Relevant experience in research and teaching in the field of civil engineering or building design is a prerequisite for us, practical experience in the planning and/or execution of buildings is desired. International teaching and research experience are very welcome. You will be able to demonstrate your ability to conduct academic research through appropriate publications. Applicants must fulfil the employment qualification requirements of § 58 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony (SächsHSFG).

If you have further questions, do not hesitate to contact the head of the appointment committee, Prof. Dr.-Ing. Steffen Marx, phone: +49 351 463-35856; email: steffen.marx1@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 Deputy Equal Opportunities Officer of the Faculty of Civil Engineering (Dr.-Ing. Sabine Damme-Lugenheim, phone: +49 351 463-32023) and the Representative of Employees with Disabilities (Mr. Roberto Lemmrich, phone: +49 351 463-33175).

Please send your application including a CV in tabular form, description of your academic career, list of publications, including your five most important publications (full text), list of teaching activities and successfully acquired third-party funded, teaching and research concept, teaching evaluation results (preferably of the last three years) and the certificate of the highest academic degree by sending it preferably in electronic form (one PDF file) via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de to dekanat.biw@tu-dresden.de or as a hard copy to TU Dresden, Fakultät Bauingenieurwesen, Institut für Massivbau, Herrn Prof. Dr.-Ing. Steffen Marx, Helmholtzstr. 10, 01069 Dresden before January 31, 2023 (Stamped arrival date of the university central mail service applies).

**Reference to data protection:** Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.