The Institute of Concrete Structures (IMB) at the Dresden University of Technology (TUD) has been teaching for over 100 years. Today, two professorships belong to the institute. The topics in teaching and research range from reinforced concrete in all its facets in experiment and simulation to supporting structures for wind turbines onshore and offshore, railway bridges for high-speed traffic and building monitoring. Numerous practical partners enrich the teaching on offer. Together, research results are transferred into real construction projects at the IMB. 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.

The Faculty of Civil Engineering, Institute of Concrete Structures (Prof. Marx) offers subject to resources being available a position as

**Research Associate (m/f/x)**

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the earliest possible date. The position is limited until November 30, 2024. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification.

**Task:** Scientific investigations, particularly in the BMBF project WIRreFa | WIR recycle fibers "From recycled fiber to new product". The focus of the project is on the experimental and numerical investigation of reinforcements made from recycled fibers. A brief description of the overall project can be found at the following link: [https://www.wir-recyceln-fasern.de](https://www.wir-recyceln-fasern.de).

The assignments include scientific investigations in the field of of non-metallic reinforcements, especially from recycled carbon fibers; literature research; gaining knowledge through theoretical, experimental and numerical investigations; creation of experimental concepts incl. implementation, evaluation and documentation of the tests; (further) development of design approaches; publications of research results in scientific journals and at conferences. In addition, the project-related supervision of student projects and theses (diploma and master) is also within the scope of duties.

**Requirements:** university degree in the field of civil engineering, building material engineering or comparable with an above-average academic performance; deep interest in civil engineering and mechanics; great sense of responsibility, reliability and a high degree of initiative; good organizational skills and an independent and conscientious approach to work; good team spirit and communication skills including good oral and writing skills; very good English skills and at least a basic knowledge of German; skilled in the use of technology and software commonly used in this profession.

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.

Please submit your comprehensive application including the usual documents by quoting the job number w22-359 by December 9 2022 (stamped arrival date of the university central mail service applies) to: TU Dresden, Fakultät Bauingenieurwesen, Institut für Massivbau, Herrn Prof. Dr.-Ing. Steffen Marx, Helmholtzstr. 10, 01069 Dresden or via the TU Dresden SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf document to concrete@tu-dresden.de. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.
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://tudresden.de/karriere/datenschutzhinweis.