

The Institute of Concrete Structures (IMB) at the Dresden University of Technology (TUD) has been teaching for over 100 years. At the moment four professorships belong to our institute. All studies and research within the institute are focused on experimentation on reinforced concrete in all its various forms. In the field of teaching, we collaborate with many partners of the construction industry. Together we make research findings become part in construction projects. 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, Institute of Concrete Structures**, the **Chair of Concrete Structures** (Prof. Steffen Marx) is seeking to employ a

Student Assistant (m/f/x) (min. 4h/week, max. 19h/week)

starting at the **earliest possible date**. The position is limited until May 31, 2026 with the option for extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG) as well as the Higher Education Act in the Free State of Saxony (Sächsisches Hochschulgesetz – SächsHSG) in conjunction with the TdL guidelines (collective bargaining association for the German federal states) for Student Assistants and Research Assistants dated February 28, 2024.

Tasks: academic support of the wind energy research group in the ongoing SMARTower project in the area of investigating the load-bearing behaviour of modular tower structures for wind turbines. Possible tasks are:

- Participation in large-scale experimental tower tests in the laboratory,
- Numerical investigations of the load-bearing behavior of segmented concrete towers,
- Evaluation and documentation of measurement and simulation results.

Specific tasks will be determined based on individual interests. This work could form the basis of a project or a master's thesis in later semesters.

Requirements:

- enrolled student at a university
- interest in scientific work and an independent work style
- interest in carrying out experiments and in numerical simulations; previous experience in the use of FE software such as Abaqus or SOFISTIK is not required
- interest in: concrete segment structures, prestressed concrete, wind energy, experimental investigations and/or numerical simulation

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 detailed application with the usual documents by **May 16, 2025** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: **TU Dresden, Fakultät Bauingenieurwesen, Institut für Massivbau, Herrn Max Götz, Helmholtzstr. 10, 01069 Dresden, Germany** or via the TUD SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf file to max.goetze1@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://tu-dresden.de/karriere/datenschutzhinweis>