

The Graz University of Technology/Faculty of Civil Engineering Sciences seeks to appoint a professor in the field of

Sustainable Construction

with a planned appointment as soon as possible. The successful applicant will be appointed as professor on the basis of a private five years restricted employment contract according to Section 99 of the Austrian Universities Act (§ 99(1) Universitätsgesetz 2002).

As the consequences of climate change are already evident today, the professorship should focus on the entire value chain in the construction industry. Basic scientific research (e.g. enhancement of methods of life-cycle based sustainability assessment and system dynamics) as well as supporting the development and implementation of nearly emission-free and climate-robust construction projects are central aspects of this professorship. With the establishment of this professorship, it is intended to create a central contact point at Graz University of Technology in order to bundle interdisciplinary research activities on sustainability and consequences of climate change in the construction and real estate industries.

Candidates' areas of work should include as many of the following topics as possible:

- Environmental quality of buildings (emissions, energy yield, land use, biodiversity, etc.) over the entire lifecycle
- Cross sectoral, dynamic, 'consequential LCA'
- Method development for the assessment of emissions in the construction industry
- Participation in research in the European Research Area (ERA) (European Bauhaus, Green Deal)
- Transformation pathways in the construction sector towards a low-emission built environment
- European and Austrian sustainability assessment
- Cooperative sustainability research including social, ecological and economic dimensions

Involvement in teaching at bachelor's, master's and doctoral levels in the relevant courses at the faculty of civil engineering is mandatory. In-depth courses based on research and/or practice are desirable.

TU Graz is intensively involved in the Climate Change Center Austria (CCCA) and cooperates actively in the region with commercial enterprises, the city of Graz, and Styria. The willingness to cooperate with partners at the University and research centers (e.g., Wegener Center Graz) is demanded. We expect a strengthening of Styria as research region and as well of the Field of Expertise „Sustainable Systems“ at TU Graz.

Requirements for employment are:

- An university education in civil engineering or equivalent, including a completed doctoral degree (PhD). Degrees must comply with Austrian accreditation standards
- An outstanding academic track record in research and teaching

- Teaching experience and very good didactics, preferably shown by a “venia docendi” or an equivalent scientific qualification to the Austrian qualification
- Proven leadership skills
- To ensure effective international representation of the field, excellent spoken and written competence in English is required. Fluency in German or the willingness to acquire it is also expected.

We also expect:

- Commitment to teamwork and cooperation within the faculty and beyond
- An excellent track record of acquiring research funding

Relocation to live in the greater Graz area is required.

The Graz University of Technology strives to increase the proportion of women, especially in leading positions and in scientific staff, and therefore expressly invites qualified women to apply. Until a balanced numerical ratio have achieved, priority will be given to women in case of equal qualifications.

Graz University of Technology actively strives for diversity and equal opportunities. Candidates have not be discriminated against on grounds of their gender, ethnic origin, religion or world-view, age or sexual orientation (anti-discrimination).

People with disabilities with the same qualifications are addressed too.

Interested applicants are requested to send a detailed application including

- the application form available at <http://www.tugraz.at/go/professorships-vacancies/>
- a C.V. (including copies of certificates and diplomas)
- a description of research and teaching experience to date
- an outline of planned activities in research, teaching as well as of the development of the team
- a list of publications, and the five most important publications in a zipped pdf-file

per electronic mail only (dekanat.bau@tugraz.at), to the Dean of the Faculty of Civil Engineering Sciences, Univ.-Prof. Dr.-Ing. Martin Schanz, Graz University of Technology, Rechbauerstraße 12, A-8010 Graz,

23. 05. 2021

by the latest (e-mail timestamp).

The Dean: Univ.-Prof. Dr.-Ing. Martin Schanz

www.tugraz.at