

Graz University of Technology (TU Graz) is a technical-scientific research institution rich in tradition based in Austria. TU Graz is an international top performer in all its five Fields of Expertise, capitalising on intense collaborations with industry and other research facilities worldwide. Within the European higher education landscape, TU Graz is a strong player in attracting talent and resources.

We have an open position, available from 1st February 2022 for an initial fixed-term of 1 year, for a:

SENIOR RESEARCHER IN LCA (POST-DOC or PhD-candidate)

Full Time (40 hours/week)

We are seeking a highly motivated and ambitious candidate with a strong background in Life Cycle Assessment (LCA) to undertake hands-on research in Sustainable Construction and the environmental impacts of the built environment. The position is open as either post-doc or PhD-candidate; in the latter case, we provide the opportunity to pursue a PhD within the course of this position.

We offer

- A fulltime position with possibility of additional extension;
- Young and dynamic working environment;
- Professional advancement and personal growth;
- Research activities and international collaborations within EU and National-funded research projects.

Duties and Responsibilities

- Engagement in Life Cycle Assessment (LCA) and Building Information Modeling (BIM) research;
- Involvement in conception and development of innovative services and policies towards low-carbon built environment;
- Scientific publications on LCA methods and application for Sustainable Construction.

One focus of this position is on the HERMES project (Urban Europe – China) in which your tasks will be:

- Compilation of a long-term dynamic inventory of urban infrastructure;
- Establishment of a life cycle model and assessment of environmental emissions using LCA;
- Development of a multi-criteria evaluation method for selecting the best available technology and strategy with the lowest cost for the environment and society (in cooperation with international partners).

Required skills and experience

- University degree (MSc. or PhD) in Environmental Engineering, Transport Engineering, Civil Engineering (or similar disciplines);
- PhD is preferable. If the candidate does not hold a PhD, at minimum one year of experience in the field is required as well as sound background in LCA methodology and related tools/software;
- Independent, self-responsible and well-structured working style;
- Teamwork-oriented and enjoyment of inter- and transdisciplinary cooperation;
- Very good communication skills as well as proficiency in written and spoken English language; Knowledge of German language is not mandatory but appreciated.

Deadline for submission of applications: January 15th 2022.

Applications to be submitted via email only: office.agnhb@tugraz.at

The following documents have to be included (application in English language):

- A cover letter stating motivation and qualifications for the specific position, together with the indication of any constraint on the starting date and duration of the contract;
- Curriculum Vitae, including a list of relevant publications;
- Copies of academic certificates (Bachelor, Master, PhD, etc.);
- Letters of reference (if available, in any case no more than three).

Job Grading in Accordance with Collective Bargaining Agreement: B1 lit.b (project senior scientist/post-doc) with relevant work experience determining the assignment to a particular salary grade. The gross salary amounts to a minimum of € 3.945,90/month, 14x per year. B1 basis (PhD-candidate) with relevant work experience determining the assignment to a particular salary grade. The gross salary for this position amounts to a minimum of € 2.971,50/month, 14x per year).

Contact und further information

Working Group Sustainable Construction; <https://www.agnhb.tugraz.at>

Univ.Prof. Dipl.-Ing. Dr.techn. Alexander Passer, MSc. via email office.agnhb@tugraz.at