

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 for a:

JUNIOR RESEARCHER in LCA and BIM (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) and Building Information Modeling (BIM) to undertake hands-on research in Sustainable Construction and the environmental impacts of the built environment. The position is open for a PhD-candidate, i.e. we provide the opportunity to pursue a PhD within the course of this position.

We offer

- International research activities and collaborations within funded research projects;
- Professional advancement and personal growth;
- A young and dynamic working environment;
- Opportunity to pursue a PhD within the course of this position.

Duties and Responsibilities

- Engagement in Life Cycle Assessment (LCA) and Building Information Modeling (BIM) research;
- Scientific publications on LCA methods and application for Sustainable Construction;
- Support of research-led teaching within our courses for Bachelor and Master students.

The position is to support our research team in the integration of BIM into LCA. Your tasks will be:

- Contribution to our international research project IEA EBC Annex 72 on LCA and BIM integration;
- Contribution to development of LCA and BIM based environmental assessment of buildings;
- Contribution to development of multi-criteria evaluation methods for selecting the best available technology and strategy with the lowest cost for the environment and society.

Required skills and experience

- University degree (MSc. or PhD) in Civil Engineering, Architectural Engineering, Environmental Engineering (or similar disciplines);
- Experience in the field of building related LCA methodology and related tools/software;
- Experience in development of BIM workflows and its application to LCA of buildings;
- 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;
- A sufficient level of German language is mandatory (for teaching purposes).

Deadline for submission of applications: May 30th 2019.

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

The following documents have to be included (application in either English or German 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, etc.);
- Letters of reference (if available, in any case no more than three).

Job Grading in Accordance with Collective Bargaining Agreement: 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 € 2864,50/month, 14x per year).

Contact und further information

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

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