

Graz University of Technology is the longest-established university of technology in Austria. Here, successful teams of students, talented up-and-coming scientists, ambitious researchers and a lively start-up scene enjoy an inspirational environment as well as access to top-quality equipment. And all this in one of the most innovative and livable regions in Europe. TU Graz offers an inspiring working environment with outstanding infrastructure and service-oriented university management.

The **Institute of Building Physics, Services, and Construction (Unit of Building Physics)** at TU Graz has an opening for a

Researcher / PhD candidate (m/f/d) in the area of combined effects of thermal, visual, olfactory, and acoustic environmental stimuli

30 hours/week, beginning February 1st, 2023, limited to 3 years

Duties and Responsibilities:

- Establish a consistent and updated knowledge base and theoretical framework on the topic
- Develop a systematic approach for experimental multi-sensory studies
- Conduct experiments in the laboratory as well as surveys and interviews in the field
- Development of important and fundamental biotechnologies in the institute
- Develop a structure for a general multi-sensory comfort model
- Apply and evaluate different modeling approaches by using objective and subjective experimental data and to assess the strengths and weaknesses of modeling approaches

The project's partners are Karlsruhe Institute of Technology (PI: Prof. Andreas Wagner), RWTH Aachen University (PI: Prof. Marcel Schweiker), and TU Graz (PI: Prof. Ardeshir Mahdavi).

Required Skills and Qualifications:

- Master's degree in building science, engineering, or allied fields
- Experience with research in building physics (thermal, visual, acoustic aspects of indoor environments)
- Knowledge of computational modeling, data processing, and statistics
- Capacity to conduct experimental lab-based research and indoor-environmental monitoring
- Capacity to work within the framework of a multi-national research project

We offer:

- Interesting area of responsibility
- Flexible working schedule
- University's sports program
- Safe and stable working environment
- Subsidy for public transport
- Exciting opportunities for professional and personal development
- Top research infrastructure and access to the latest technologies
- Public transport subsidy
- Workplace Health Management
- Award for being the most family-friendly enterprise in Styria 2018
- Shopping Discounts
- Possibility for Home-Office
- Seal of quality for in-house advancement of women
- Company pension funds
- International training and teaching opportunities"

We offer a minimum annual gross salary based on full-time of € 42,820.40, overpayment possible depending on qualification and experience.

Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are expressly invited to apply.

Protecting the health of our students and employees is of high importance to our university. For this reason, equally qualified candidates who are fully vaccinated against COVID-19 will be given preference.

Applications with relevant documents should be submitted, preferably by email, to ibpsc@tugraz.at by **03.01.2023** at the latest.

Contact

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<https://ibpsc.tugraz.at>

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