

PhD on the impact of multi-local working strategies on urban energy systems

40 hours/week

At the **Institute of Architectural Science**, in the Research Unit of Building Physics and Building Ecology, we are offering a doctoral project assistant position (Prädoc 40h/week) with a projected start date of February 2024 or later.

We are looking for a motivated candidate to strengthen our scientific team for the [SWEET SWICE](#) (Sustainable Wellbeing for the individual and the Collectivity in the Energy Transition) project. COVID-19 has resulted in more flexible workplace models that impact urban energy demand, land use and buildings and infrastructure demand. The goal of this PhD project is to evaluate the impact of multi-local working strategies on the energy system. The derived changes in building usage shall be integrated into a digital twin that is developed in the research project.

Your tasks:

- Research work and development of a PhD thesis in the field of occupancy behaviour in urban energy systems
- Coordination with project members and participation in meetings and events
- Publish in scientific journals, and participate in national and international conferences.

Your profile:

- Completion of a master's degree appropriate to the subject civil and environmental engineering, architecture, computer science or similar
- You should have a profound knowledge in building physics and building simulation techniques.
- Knowledge on agent based modelling and/or land use models is a plus
- Programming skills in Python are desirable.
- Experience in scientific working and knowledge of scientific principles.
- Willingness to expand your knowledge in the domain of your research.
- Team player, problem solving skills, and creative thinking.
- Organizational and analytical skills as well as a structured way of working
- Excellent spoken and written communication skills in English. Knowledge of German is a plus.

We offer:

- A wide variety and exciting range of tasks in a collegial team

- Flexible working hours
- Central location of workplace with very good accessibility (U1/U4 Karlsplatz)
- A creative environment in one of the most liveable cities in the world
- A set of attractive social benefits (see Fringe-Benefit catalogue of TU Vienna)

TU Wien is committed to increasing the proportion of women in particular in leadership positions. Female applicants are explicitly encouraged to apply. Preference will be given to women when equally qualified, unless reasons specific to a male applicant tilt the balance in his favour.

People with special needs are equally encouraged to apply. In case of any questions, please contact the confidant for disabled persons at the university, Mr. Gerhard Neustätter.

Entry level salary is determined by the pay grade B1 of the Austrian collective agreement for university staff. This is a minimum of currently EUR 3,277.33/month gross, 14 times/year for 40 hours/week. Relevant working experiences may increase the monthly income.

We look forward to receiving your application by January 15th, 2024.

Please note: The application deadline has been extended until February 10th 2024.

If you want to apply, please send the following documents to the Email:

E259-03.applications@tuwien.ac.at:

- **Statement of purpose** that describes your research experience and your motivation for applying for this position. It should be 1-2 pages maximum.
- **CV**
- **University transcripts and diplomas** of all degree programs you have attended (in English if the original language is not German or English)
- **Contact information of 2 referees**