TU WIEN Informatics

Stellenausschreibungen – Job postings

An der Fakultät für Informatik der Technischen Universität Wien gelangen nachstehende Stellen zur Besetzung:

Die TU Wien strebt eine Erhöhung des Frauenanteils insbesondere in Leitungsfunktionen an und fordert daher qualifizierte Frauen ausdrücklich zur Bewerbung auf. Bei gleicher Qualifikation werden Frauen vorrangig aufgenommen, sofern nicht in der Person eines gleich qualifizierten Mitbewerbers liegende Gründe überwiegen. Wir sind bemüht, Menschen mit Behinderung mit entsprechender Qualifikation einzustellen und fordern daher ausdrücklich zur Bewerbung auf. Bei Rückfragen wenden Sie sich bitte an die Behindertenvertrauensperson der TU Wien, Herrn Gerhard Neustätter.

The Faculty of Informatics at TU Wien, one of the top ranked faculties of computer science in Europe, is advertising **10 funded positions for doctoral students** in its newly founded **doctoral college on Automated Reasoning**. Successful applicants will work on exciting projects at the intersection of security and artificial intelligence with Automated Reasoning at the core. The positions are expected to start in October 2025 for a period of expected 4 years each.

The doctoral college is designed to educate the next generation of experts on **Automated Reasoning**. It targets foundational questions such as rigorously defining the notion of safety and security across domains and applications, the development of automated techniques and analyses to ensure safety and security of electronic systems, and explores synergies between the fields of security and artificial intelligence (see our list of potential research topics).

All research projects are expected to span several sub-disciplines (such as formal methods and artificial intelligence) and each doctoral student will be supervised by at least two professors (see our list of faculty members of the doctoral college) with complementary research experience.

Tasks:
- Perform independent research on the respective research topic
- Present research results at international conferences and other scientific events
- Successful completion of milestones and curriculum of the doctoral college
- Participation in scientific events and other outreach activities organized by the doctoral college and the Doctoral School of TU Wien
- Write a dissertation and publications
- Participation in organizational and administrative tasks of the doctoral college

Your profile:
- A diploma or master university degree in computer science, computer engineering, or mathematics
- Experience in relevant research fields of the selected project(s) are of advantage
- Excellent communication and writing skills in English
- Active participation in scientific collaboration
- Team competences and problem-solving skills
- Positive attitude and contribution to the work environment
- Striving for continuous personal development

We offer:
* Diverse and exciting research projects on cutting edge topics
* Continuing personal development and professional education
* High-quality supervision by renowned scientists
* Ample possibilities for building an international research network, completing secondments, and establishing research collaborations
* Courses on transferable skills
* Competitive salary
* Social benefits (e.g., health insurance, etc.)
* Administrative support in study and organizational questions
* Central location with excellent accessibility in a city regularly ranked first worldwide for best quality of life
* Diverse and exciting tasks

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 2,458.00/month gross, 14 times/year for 30 hours/week. Relevant working experiences may increase the monthly income.

We look forward to receiving your application until May 18, 2025 on our job platform: https://jobs.tuwien.ac.at/Job/249889

ATTENTION: Please indicate in your motivation letter for which of the research project(s) you are applying!

Applications must include the following documents:
* A **CV** based on the Europass template including publications, conference contributions, and other scientific activities (if applicable)
* A **cover letter** providing a list of 3 preferred topics from the list of research projects (please rank and give motivation for your choices)
* A one-page summary of the **diploma/master thesis** *(+add more documents)*
* A copy of **Transcripts** of records of the Bachelor's- and Master's degrees *(+add more documents)*
* **English language certificate** (TOEFL or similar), unless the candidate's Bachelor's or Master's program was in English *(+add more documents)*
* Two **letters of recommendation** (e.g., by your master's thesis advisor) *(+add more documents)*

After the initial screening process, selected applicants will be invited to give a brief presentation (either in person or online) of their previous research. Additionally, the selected candidates will have to give a presentation on an article relevant to their selected PhD project. The article will be sent to the selected candidates one week prior to the hearings.

For further content questions please contact the College Coordinator Olha Denisova olha.denisova@tuwien.ac.at or one of the faculty members.