

## 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.

At the **Institute of Logic and Computation**, in the **Research Unit of Theory and Logic** (192-05), TU Wien is offering a position as University Assistant (prae-doc) limited to expected 4 years for 40 hours/week. Expected start: December 2024/January 2025.

The position will be part of the Cluster of Excellence program [Bilateral AI](#), under supervision of Kees van Berkel, within the following project:

**Project - AI Alignment and Dialogues:** AI Ethics has many perspectives, one of which is AI alignment: Ensuring that AI behaves conform human values and principles. Some immediate challenges are: how to express values and normative principles in AI systems? What is the logical structure of reasoning with norms, values? And, how to resolve conflicts between norms and values? In this project, these questions are investigated. In particular, we investigate how to make formal reasoning with norms and values more transparent, to enhance the explanatory power of existing formalisms, with the aim of increasing understanding and trust. The focus will be on the development dialogue models, that bring together symbolic and sub-symbolic methods. The long turn aim of such models is to generate explanations via an interactive argumentative exchange between a human and a given formal system.

### Tasks:

- Research, project, and publication activities within the fields of knowledge representation and reasoning, artificial intelligence, AI Ethics, and philosophical logic
- Solving scientific problems with the motivation for independent and goal-oriented research
- Writing a dissertation and scientific publications
- Participating in teaching activities
- Participation in scientific events

### Your profile:

- An excellent master or diploma in Computer Science, Logic, or fields closely related to the project
- In-depth knowledge and experience within several of the following areas is highly appreciated: knowledge representation, mathematical and nonmonotonic logic, philosophical logic, machine learning, and LLMs
- Strong affinity with AI Ethics topics and critical thinking is strong plus
- Ability to develop methods, concepts, as well as their implementation and evaluation
- Willingness to contribute in interdisciplinary projects
- Organizational and analytical skills as well as a structured way of working
- Ability to work in a team, problem-solving skills, and creative thinking
- Excellent spoken and written communication skills in English. Knowledge of German (level B2) or willingness to learn it in the first year

**We offer:**

- A wide variety and exciting range of tasks in a collegial team
- Flexible working hours
- Central location of workplace with a very good accessibility (U1/U4 Karlsplatz)
- A creative environment in one of the most liveable cities in the world
- German courses if needed
- A highly competitive salary and a range of attractive social benefits (see Fringe-Benefit Catalogue of TU Wien)
- Excellent research environment in an internationally visible team
- A wide range of internal and external training opportunities, various career options

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 3578,80/month gross, 14 times/year for 40 hours/week. Relevant working experiences may increase the monthly income.

**How to apply:** If you are interested in the position, please submit the following application documents (e.g., included in a .zip archive):

- A complete CV, including a list of previous scientific expertise, awards, grants, stays abroad, skills, and publications (if applicable)
- A letter of motivation (detailing previous research achievements, research goals, career plans)
- A research statement, outlining the planned research, goals and significance, detailing the connection between symbolic and sub-symbolic aspects (the research topic must refer to the project description above)
- Contact details of two reference persons who are willing to provide a letter of recommendation (if selected for the second round)

**We look forward to receiving your application until November 28, 2024 on our job platform: <https://jobs.tuwien.ac.at/Job/241947>**

At the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Artifact-based Computing & User Research**, we are seeking a highly motivated Postdoctoral Researcher to join our team for a 3-year project. The project focuses on advancing research in Human-Computer Interaction (HCI), Human-AI Interaction, and Robotics. Expected start (negotiable): January 2025. Duration: 3 years

**Tasks:**

- You conduct high-impact research in HCI, Human-AI Interaction, and/or Robotics, with a strong emphasis on publishing in top international venues.
- You develop innovative systems and solutions, with a proven track record demonstrated through publications.
- You develop develop prototypes and evaluate results and contribute to interdisciplinary scientific projects
- You participate in delivering results to the project, you contribute to teaching and supervision of students
- You participate in organizational and administrative tasks of the research division and the faculty
- You collaborate with international research teams and contribute to the global research community.



## Your profile:

- You have a PhD in Computer Science, HCI, Robotics, Human-AI Interaction, or a related field.
- You have a strong publication record in HCI, Human-AI Interaction, and/or Robotics at international venues.
- You have proven ability to design, develop, and implement complex systems, demonstrated through your research.
- You communicate clearly and have Experience in teaching and mentoring students,
- You have an excellent command of the English language. You have knowledge of German (level B2) or willingness to learn the German language.
- Being an avid cyclist and showing interest in technical instrumentations of bicycles is a plus!
- You have international research experience and a collaborative mindset.

## We offer:

- A stimulating work environment at one of Europe's leading universities.
- Resources and equipment for building and evaluating research prototypes as part of a collaborative FWF/DFG research project with LMU Munich
- Funding support and opportunities to engage with international research communities and participate in leading conferences.
- Care and mentoring for individual career development
- Flexibility in working time arrangements
- A range of attractive social benefits (see Fringe-Benefit Catalogue of TU Wien)
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)
- A creative environment in one of the most liveable cities in the world

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 4.752,30/month gross, 14 times/year for 40 hours/week. Relevant working experiences may increase the monthly income.

We look forward to receiving your application until December 1 st, 2024 at Email:

[florian.michahelles@tuwien.ac.at](mailto:florian.michahelles@tuwien.ac.at)