

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 Privacy Enhancing Technologies at TU Wien** is offering a position as **university assistant post-doc (all genders)** limited to expected 6 years for 40 hours/week. Expected start: January 2025. Research will address the development of privacy-enhancing technologies, including but not limited to the design of cryptographic algorithms and protocols, distributed protocols, cryptocurrencies, and information-theoretic approaches such as differential privacy. Topics of interest include (but are not limited to):

- Privacy preserving cryptocurrencies
- Efficient proof systems such as (non-interactive) zero-knowledge, SNARKs, etc.
- Cryptographic protocols
- Functional encryption
- Fully homomorphic encryption
- Information-theoretic approaches such as differential privacy

Tasks:

- Deep interest in scientific problems and the motivation for independent and goal-oriented research
- Independent teaching or participation in teaching and supervision of students
- Participation in organizational and administrative tasks of the research division and the faculty

Your profile:

- Completion of an excellent doctorate in Computer Science or a closely related field
- Strong background in cryptography, privacy-preserving mechanisms, or data security
- In-depth knowledge and experience in at least one subject area: secure computation, differential privacy, anonymous communication systems, privacy-preserving machine learning, cryptocurrencies, cryptographic protocols, identity management, homomorphic encryption, or zero-knowledge proofs
- An outstanding publication record in top security, privacy, and applied cryptography conferences and journals, such as e.g., ACM CCS, Crypto, Eurocrypt, Usenix Security, NDSS, IEEE S&P, PETS
- Experience in teaching and supervising students, with enthusiasm for advancing knowledge in the field of privacy-enhancing technologies
- Excellent organizational and analytical skills, combined with a structured and detail-oriented approach to work
- Team player with strong problem-solving abilities, creative thinking, and a passion for tackling real-world privacy challenges

**We offer:**

- A wide variety and exciting range of tasks in a collegial team
- Flexibility in the organization of 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
- 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 4,932.90/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 January 9, 2025 on our job platform: <https://jobs.tuwien.ac.at/Job/245103>

At the **Institute of Logic and Computation**, in the **Research Unit of Privacy Enhancing Technologies at TU Wien** is offering a 20 hours/week position **as project manager (all genders)** immediatly.

Tasks:

- Management of large-scale scientific research projects in the field of privacy enhancing technologies (support during the application phase, communication with students and researchers, contact with funding agencies, etc.)
- Project management, i.e. supporting the head of research unit in economic and administrative matters, taking control in the event of significant deviations from the project plan
- Active support in planning and coordinating project resources (personnel, milestones, deadlines, tasks, etc.)
- Independent and autonomous organization of activities (organizing events and scientific events [conferences, retreats, schools, etc.]
- Support in general administrative matters, such as in hiring employees and accounting of travel expenses

Your profile:

- University degree (Master's or higher), ideally in computer science, or equivalent professional experience
- Experience in project management at universities or research institutions
- Experience in planning and conducting international conferences
- Fluent in German
- Very good knowledge of English
- Very good knowledge of Apple Systems (OS X, iOS, pages, numbers)
- Knowledge in MS Office
- Knowledge of LaTeX is desirable
- Experience in using SAP is desirable
- Analytical skills, organisation and planning, time management, innovation, project management, IT skills
- Accuracy, reliability, ability to learn
- Ability to work in a team, communication skills
- Decision-making skills, strategic thinking

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- A range of attractive social benefits (see [Fringe-Benefit Catalogue of TU Wien](#))
- Wide range of internal and external training opportunities, various career options
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)

Entry level salary is determined by the level IVA of the Austrian collective agreement for university staff. This is a minimum of currently EUR 1,695,15/month gross, 14 times/year for 20 hours/week. Relevant working experiences may increase the monthly income.

We look forward to receiving your application until January 2, 2025 on our job platform: <https://jobs.tuwien.ac.at/Job/244800>

At the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Artifact-based Computing & User Research**, **TU Wien** is offering a position as a **University Assistant (Post-Doc)** limited to expected 6 years for 40 hours/week. Expected start: February 2025, or later by mutual agreement.

We are looking for a highly motivated Postdoctoral Fellow who is passionate about building interactive systems and who possesses a strong technical background in aerial robots. The position is located at the Institute of Visual Computing & Human-Centered Technology in the Faculty of Informatics at TU Wien, Vienna, Austria.

As they become increasingly autonomous, aerial robots (or drones), are transforming from being used as remote control devices to becoming partners to humans. Recent advances in the field of human-drone interaction allow humans – experts or lay people – to directly interact with a drone when collocated. This opens the path to new applications, from co-working drones that can carry items to workers at heights to search and rescue drones helping first responders and even emotional support drones that support people in their daily lives. Yet, much research is still needed for drones to make sense of complex human situations and for humans to make sense of the behaviors of robotic devices.

Tasks:

- Your research work will consist in designing methods and concepts or prototypes (software and hardware) for the next generation of interactive drones that can sense and interpret human behaviors, as well as evaluating these prototypes with users
- You will work following a human-centered design process, and part of your work will consist of running experiments and user studies with various stakeholders using both quantitative and qualitative research methods and analyzing the resulting data
- In addition to your own research, you will learn how to run our drone facility and support students in the lab
- You will work both independently and as part of a team
- You will also participate in writing research grants and you will perform independent teaching and mentoring of students
- You are expected to bring both scientific rigor and creativity to the lab

Your profile:

- Completion of a PhD in Computer Science or similar studies; and in-depth knowledge of the subject area.
- Experience in Human-Robot Interaction, Robotics, or Mechatronics.
- Deep interest in scientific problems and motivation for independent and goal-oriented research.
- Outstanding publication record in top HCI / HRI or Robotics research.
- Strong technical skills. Including, but not limited to: the ability to program in one or several programming languages (e.g., Python, C/C++, ROS, Arduino, Ardupilot).

- Experience in teaching and/or mentoring students.
- Organisational and analytical skills as well as a structured way of working.
- A can-do attitude and hands-on creative technologist.
- Excellent spoken and written communication skills in English, and 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
- Flexibility in working time arrangements
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- Wide range of internal and external training opportunities, various career options
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)

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 4,932.90/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 January 9, 2025 on our job platform: <https://jobs.tuwien.ac.at/Job/244996>

At the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Artifact-based Computing & User Research, TU Wien** is offering a position as a **PhD student (pre-doc) position** limited to expected 4 years for 30 hours/week. Expected start date: February 2025, or later by mutual agreement.

Do you have a passion for robotics and Extended Reality (XR) and you want to make an impact? Are you interested in designing and building autonomous robots that can better support people in their daily life? If so, this might be for you!

We are looking for a highly motivated PhD student who has a passion for building interactive robots and drones and for creating visualization systems to better support people.

In recent years, aerial robots (a.k.a. drones), have emerged as critical tools in disaster management efforts. Their ability to access difficult-to-reach places has made them especially valuable for supporting first responders, such as by surveying and gathering data, as well as supporting victims by, for instance, monitoring their physical condition. Thanks to advances in miniaturization, small drones can now land on a person's body to facilitate such health monitoring. As part of this research, you will explore the design space of on-body drones using virtual and augmented reality techniques; and design, develop, and evaluate interactive prototypes to further explore the potential of aerial robotics.

Tasks:

- Your task will consist in implementing a series of human-machine interface prototypes (software and hardware) for automated drones in an emergency context
- You will work following a human-centered design process
- Part of your work will consist of running user studies with various stakeholders using both quantitative and qualitative research methods. Some of the studies will take place in a laboratory, while others will take place in the wild.
- Your role will then be to analyze the data and use the results to iterate future versions of your prototype
- You will work both independently and as part of a team and you are expected to bring both rigor and creativity to the project

**Your profile:**

- Master's degree in Computer Science or similar studies.
- Experience in Human-Robot Interaction, Robotics, and/or Computer Vision.
- Strong motivation to do research and interest in robotics and new technologies (e.g., participation in challenges or robotic competitions).
- Confidence in working both independently and collaboratively.
- Strong technical skills. Including, but not limited to: the ability to program in one or several programming languages (e.g., Python, C/C++, ROS, Arduino, Ardupilot).
- Proficiency in analyzing data and statistics.
- A can-do attitude and hands-on creative technologist.
- Excellent spoken and written communication skills in English

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- Flexibility in working time arrangements.
- A range of attractive social benefits (see [Fringe-Benefit Catalogue of TU Wien](#))
- Wide range of internal and external training opportunities, various career options
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)

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 2,786.10/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 January 9, 2025 on our job platform: <https://jobs.tuwien.ac.at/Job/244998>