Stellenausschreibungen

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 und beim wissenschaftlichen bzw. künstlerischen Personal an und fordert deshalb qualifizierte Frauen ausdrücklich zur Bewerbung auf. Bewerberinnen, die gleich geeignet sind wie der bestgeeignete Mitbewerber, werden vorrangig aufgenommen, sofern nicht in der Person eines Mitbewerbers liegende Gründe überwiegen. Wir sind bemüht, behinderte Menschen 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, gerhard.neustaetter@tuwien.ac.at.

**At the Institute of Information Systems Engineering**, in the Research Unit of Software Engineering TU Wien is offering a position as **university assistant (post-doc)** limited to 6 years for 40 hours/week. Expected start: March 2023.

**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
- Ability to develop methods, concepts, as well as their realization and evaluation and the willingness to contribute in interdisciplinary scientific projects
- Participation in organizational and administrative tasks of the research division and the faculty

**Your profile:**
- Completion of an excellent doctorate in Computer Science and in-depth knowledge of the subject area
- An outstanding publication record in top Software Engineering and/or Formal Methods conferences (e.g., ICSE, FSE, ASE, ISSTA, CAV, TACAS, OOPSLA, PLDI)
- Extensive experience with software development and developing research prototypes
- Strong research background and publication record in at least one of the following areas: automated test generation (e.g., dynamic symbolic execution, greybox fuzzing), static program analysis (e.g., abstract interpretation), and software verification (e.g., software model checking)
- Strong interest in working on testing program analyzers, program analysis for smart contracts, defect detection for machine learning models, or collaborative verification and testing
- Experience in teaching and publication activities as well as excitement about research and work with students
- 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 skills in English communication and writing, knowledge of German (level B2) or willingness to learn it in the first year

**We offer:**
- Pleasant, cooperative working atmosphere and 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
- 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 (the working language in the research unit is English)
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 4,061.50/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 26, 2023 on our job platform: [https://jobs.tuwien.ac.at/Job/198528](https://jobs.tuwien.ac.at/Job/198528)

At the Institute of Information Systems Engineering, in the Research Unit of Software Engineering TU Wien is offering **2 positions as university assistant (prae-doc)** for each 30 hours/week, limited to expected 4 years. Expected start: March 2023.

Tasks:
- Participation in research and teaching tasks as well as examinations
- Research and project work
- Writing a dissertation and scientific publications
- Student supervision
- Participation in scientific events
- Participation in organizational and administrative tasks

Your profile:
- Completion of an excellent Master’s degree in Computer Science
- Experience with software development and developing research prototypes
- Experience in scientific work
- Strong background in at least one of the following areas: automated test generation (e.g., dynamic symbolic execution, greybox fuzzing), static program analysis (e.g., abstract interpretation), and software verification (e.g., software model checking)
- Strong interest in working on testing program analyzers, program analysis for smart contracts, defect detection for machine learning models, or collaborative verification and testing
- Excitement about research and work with students
- 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 skills in English communication and writing, knowledge of German (level B2) or willingness to learn it in the first year

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- 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 (the working language in the research unit is English)
- In case of suitable professional qualifications, the extent of employment can be increased to 40 hours per week from third-party funds of the Institute

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 2,294.00/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 January 26, 2023 on our job platform: [https://jobs.tuwien.ac.at/Job/198529](https://jobs.tuwien.ac.at/Job/198529)
The research unit **Machine Learning** of the **Institute of Information Systems Engineering** investigates fundamental machine learning questions and demonstrates the applicability of novel algorithms in real-world applications, often together with colleagues and collaborators from other disciplines. Challenges that we investigate often involve structured data such as graphs, iterative learning processes such as online/active learning, approximation/convergence guarantees, and computational questions such as the parallelisation of machine learning algorithms.

**There is now an opportunity for you to join the research unit as a university assistant (post-doc),** 40 hours per week, limited to 2 years with an option for 4 years extension, 6 years total, earliest start date is February 2023.

**Tasks:**
- Research in machine learning and publication of results in top scientific venues
- Participating and taking a leading role in research projects
- Participating in teaching activities: lecturing and (co)-supervision of seminars, exercises, internships, bachelor’s and master’s theses
- Assistance with administrative tasks and funding acquisition
- Presentation of research results and participation in scientific events

**Your profile:**
- PhD in Machine Learning or related areas
- Proven track record of publications in top scientific venues of your field
- Programming experience and strong background in the foundations of machine learning
- Strong interest in machine learning theory and algorithms with a willingness to apply the algorithms to real data
- Curious and highly motivated for scientific research
- Ability to work independently as well as in a team and, ideally, experience with projects
- Very good spoken and written English. Knowledge of German (language level B2) or willingness to learn it in the first year

**We offer:**
- Opportunity to further develop your research career and scientific potential
- Dynamic and constantly evolving work environment
- Wide range of continuing education and flexible working hours
- Possibility to participate in structured doctoral programmes
- Central location of workplace with very good accessibility (U1/U2/U4 Karlsplatz)
- A creative environment in one of the most liveable cities in the world
- Additional benefits for employees can be found at the following link: [Fringe-Benefit Catalogue of TU Wien](https://www.tuwien.ac.at/freibenefits)

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 4,061.50/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 12, 2023 on our job platform:** [https://jobs.tuwien.ac.at/Job/199114](https://jobs.tuwien.ac.at/Job/199114)