

## Stellenausschreibung – Job posting

An der Fakultät für Informatik der Technischen Universität Wien gelangt nachstehende Stelle 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 Formal Methods in Systems Engineering TU Wien is offering a position as university assistant post-doc (all genders) limited to expected 1 year for 40 hours/week. Expected start: September 2025.

### Tasks:

- Representation, verification, and visualization of automated reasoning methods and tools
- Web-based platform development and maintenance for automated reasoning documentation, in particular of the Vampire prover
- Data cluster setup and maintenance for automated reasoning and large-scale reasoning experiments
- Combining first-order theorem proving and Vampire with reinforcement learning and LLMs
- Advanced data structures, algorithms and input standard for typed first-order logics
- Deep interest in scientific problems and independent goal-oriented research developments
- Participation and support in teaching and supervision of students in automated reasoning subjects
- The 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 doctorate in computer science and in-depth knowledge of automated reasoning, typed first-order logics and ML
- Experience in international research cooperation, in particular within the TPTP input standard
- Experience in software engineering, data maintenance and the TPTP project
- Experience in visualisation tools for automated reasoning engines
- Experience and/or interest in student supervision
- Organizational and analytical skills as well as a structured way of working
- Excellent command of the English language and very good communicative skills and team competences

### We offer:

- A wide variety and exciting range of tasks in a collegial team
- Flexibility in working time arrangements
- A range of attractive social benefits (see [Fringe-Benefits](#))
- 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 August 14, 2025 on our job platform: <https://jobs.tuwien.ac.at/Job/255265>**