

**Open to new ideas. Since 1365.** The University of Vienna is a research university with high international visibility and a wide range of degree programmes. We are committed to basic research that is open to applications and to research-led teaching, as well as to the dialogue with economy and society. We strive to actively promote the careers of young researchers, to contribute to the education of future generations and to augment the society's ability to innovate. We invite you to become part of this dynamic and vibrant organisation.

At the Faculty of Computer Science of the University of Vienna the position of a

**Tenure-Track Professorship  
for the field of  
Algorithms for Scalable AI**

(full-time position) is to be filled.

We are looking for outstanding internationally recognized early career scientists with a research focus on scalable algorithmic approaches for AI. This competence is documented by publications in top venues in relevant areas, including, but not limited to, machine learning, AI, algorithms, or high performance computing research. Examples for research topics of interest are high-performance machine learning methods in distributed and parallel environments, federated learning, cloud-based big data analysis, methods for the analysis of distributed data sources, or algorithmic approaches for the analysis of high-throughput data streams. Further topics of interest include, e.g., the analysis of very large networks and application-oriented approaches to the analysis of massive data, e.g., in the social sciences or humanities. Close interaction and collaboration within the faculty of Computer Science and within DataScience@UniVienna, an interdisciplinary research network between several faculties of the University of Vienna, is expected.

**Successful candidates should have the following qualifications:**

- Doctoral degree/PhD and at least two years post-doctoral experience at a university or other research institution; as a general rule, applicants must have gained research experience outside the University of Vienna for a total of at least two years during or after their doctoral studies
- Outstanding achievements and potential in research, excellent publication record, international reputation
- Experience in designing and participating in research projects, ability to lead research groups, willingness to acquire third-party funding
- Potential for successfully acquiring an ERC Starting Grant or an ERC Consolidator Grant (depending on career level) or comparable renowned funding within the qualification period.
- Enthusiasm for excellent teaching, teaching experience at universities or a teaching concept. Candidates are expected to be willing to teach students at all levels (bachelor's, master's, or doctoral level), to supervise academic theses and to promote junior colleagues

The University of Vienna expects the successful candidate to acquire, within three years, proficiency in German sufficient for teaching in bachelor's programmes and for participation in university committees.

**We offer:**



- the opportunity to obtain a permanent position and eventual promotion to full professor. The successful candidate is hired as “Assistant professor” for a maximum duration of six years. If the candidate meets the conditions stipulated in the qualification agreement, the assistant professor is promoted to tenured “associate professor”, i.e. obtains a permanent position. If the conditions are not met, the employment will end upon expiry of the contract. Associate professors can be promoted to “full professor” through a university-internal competitive procedure.
- at least a salary according to the [Collective Bargaining Agreement for University Staff](#): section 49, job group A2
- in addition to the statutory social insurance, the University of Vienna offers a pension scheme to its employees
- a dynamic research environment
- attractive working conditions in a city with a high quality of life
- a wide range of support services offered by central service institutions

The University of Vienna is an equal opportunity employer and values diversity (<http://diversity.univie.ac.at>). The University strives to increase the share of women in professorial positions. Given equal qualifications, preference will be given to female applicants.

### **Application documents:**

Please submit a **single PDF document** named “LastName\_FirstName.pdf” to [tenuretrack.personal@univie.ac.at](mailto:tenuretrack.personal@univie.ac.at) containing the following information (in English).

1. Cover Sheet and Table of Contents
2. **Letter of motivation**
3. **Academic curriculum vitae**
  - key terms that best describe your own research interests
  - education, degrees (incl. information about the PhD granting institution and the exact date DD.MM.YYYY when the PhD was conferred)
  - professional experience
  - applicable parental leave, family or other care times, ...
  - scientific or scholarly “esteem factors” (e.g. experiences as a publisher, functions in research societies or programme committees)
  - previous and current cooperation partners
  - complete list of acquired third-party funded projects as principal investigator (role, subject, duration, funding agency, funding volume), and, if applicable, of inventions/patents
  - list of most important scientific talks (max. 10)
  - list of courses taught
  - list of theses supervised
4. **List of publications**
  - link to own ORCID iD record
  - if common in your field of research provide information about indexation in data bases such as SCIE, SSCI, AHCI, citations resp. book reviews received or other indicators of scientific quality/international visibility (best paper award, etc.)
5. **Research statement**



- explain your previous research achievements (max. 2 pages) and future research plans (max. 4 pages)
  - name the three most important publications with an explanation of their relevance for this tenure track professorship
  - describe your publication strategy
6. **Teaching statement**
- explain your teaching and supervision concept, including a description of the previous and planned priorities in academic teaching and supervision (max. 2 pages)

**Appendices to application document** (in a single PDF or ZIP file named “LastName\_FirstName\_Appendices.pdf/zip”):

- a. **Three key publications as electronic full text version** (if not publicly available)
- b. **Teaching evaluations** (if available, compiled into a single PDF file)
- c. **Copies of certificates of academic degrees** (mandatory, compiled into a single PDF file)

**Reference no.: 12840**

The application deadline is **15 March 2022**.

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