



Open Position

# Full Professor of Data Management

August 22, 2021



Informatics



# Call for Applications

We invite applications for the position of a Full Professor of Data Management at the Faculty of Informatics. The position is affiliated with the Institute of Logic and Computation.

Deadline	<b>August 22, 2021</b>
Est. Start	<b>July 2022</b>
Salary	<b>€74,503.80 p.a. minimum negotiable</b>
Conditions	<b>full-time, permanent</b>



Errors and omissions expected in this brochure. The legally binding announcement for this position is published at [jobs.tuwien.ac.at/Job/155371](https://jobs.tuwien.ac.at/Job/155371)



# Research Area

The successful candidate will have an outstanding research and teaching record in Data Management, with particular emphasis on at least one of the following fields (but not limited to):

- Big data and data on the Web
- Data management for Machine Learning and AI
- Data warehousing and data analytics
- Database security and privacy
- Databases for emerging hardware
- Distributed and parallel databases, cloud data management
- Machine Learning and Artificial Intelligence techniques in data management
- Query processing and optimization
- Schema matching, data integration, data cleaning and information extraction
- Semi-structured data and graph data
- Storage, indexing, and physical database design
- Streams, sensor networks, complex event processing
- Transaction processing
- Uncertain, probabilistic, and approximate databases
- Very large data management applications/pipelines



# Requirements

## Your Profile

- Completed doctoral or PhD studies in the field of Computer Science, or Business Informatics or a related area from a domestic or equivalent foreign university or research institution
- Qualification for teaching (*venia docendi*) acquired at a domestic or equivalent foreign university or an academic qualification recognisable as being equivalent to the *venia docendi*
- Outstanding scientific reputation, proven by publications in internationally prestigious scientific conferences and journals, patents, awards, scientific lectures, editorial and scientific expert work, organization of conferences etc.
- Excellent reputation as an active member of the international scientific community
- Experience in the acquisition, execution and management of research projects
- Ability and willingness to manage a research group
- Pedagogic and didactic suitability for academic teaching in German and English
- Experience in the supervision of scientific work of students, such as bachelor, diploma and master theses as well as dissertations
- Social and gender competence as well as experience in the promotion of young researchers and the advancement of female students/colleagues/employees
- On-site presence is expected
- In case there is no adequate knowledge of German, willingness to quickly learn German is presupposed for teaching in bachelor programmes and participating in the management of the institute and the faculty as well as in university bodies



# Other Responsibilities

## **Teaching**

Besides research, the duties of a Full Professor at TU Wien include graduate and undergraduate teaching (in German and English)

## **Faculty Management**

We expect the successful candidate to actively contribute to usual management and faculty service tasks.

## **Collaborating**

The successful candidate will have a compelling research vision. We are particularly interested in candidates working in areas that will complement our existing expertise and lead to fruitful collaborations with other members of the Faculty of Informatics and TU Wien in general.



## Our Offer

### We offer

- Excellent working conditions in an attractive research environment
- Attractive compensation combined with a supplemental retirement benefit program sponsored by the employer and further benefits (see also: Fringe-Benefit Catalogue of TU Wien)
- Financial support of research activities in the first years (e.g. equipment endowment/start-up funds)
- Support in moving to Vienna (if required)
- Dual career advice (if required): we offer partners and families of the university professors appointed to TU Wien various support opportunities tailored to their individual situation
- An employee-friendly environment in a city with an extraordinary high quality of life

### Salary

We offer a full-time minimum salary of €74,503.80 p.a.; in addition, a company pension scheme (pension fund and employee benefit fund) will be set up, which increases personnel benefits by 11.53%. A higher salary depending on qualifications and experience is categorically a subject of appointment negotiations.



# Application

## Required Documents

- Detailed curriculum vitae (complete with professional and academic background)
- Detailed motivation letter
- Presentation of previous academic activities including a list of research and development projects carried out and of funding/grants raised (volume, duration, funding body, etc.), a list of patents, awards, editorial and scientific expert work, organized conferences etc., as well as a list of lecturing and teaching activities evidenced by a list of the university courses held so far, a list of supervised scientific works of students (such as bachelor theses, master theses as well as doctoral theses), and a list of invited lectures
- List of publications and copies of the five most important publications related to the position together with an explanation of their relevance
- Research and teaching concept with considerations on the future positioning and further development of the field of Data Management

## Application Deadline

August 22, 2021 – Apply online at [jobs.tuwien.ac.at/Job/155371](https://jobs.tuwien.ac.at/Job/155371)



# Faculty of Informatics

**We are in the Global Top 15% in Computer Science and comprise 4 Research Foci and 22 Research Units.**

Since our foundations were laid in 1970, we have become Austria's largest faculty of Informatics and one of Europe's leading research and innovation institutions—with over 370 scientific employees, 5.500+ enrolled students, and over 75 administrative staff members.

Our faculty's excellent research, teaching and innovation output is highly competitive even on a world-wide level: The most important and influential Higher Education Rankings regularly rank us among the Global Top 15% of computer science institutions.

## **Research Foci**

Our research foci are Computer Engineering, Logic and Computation, Visual Computing and Human-Centered Technology and Information Systems Engineering. Our 22 research units follow an inter- and multidisciplinary, comprehensive approach.

## **Teaching**

We offer 5 Bachelor's programs and the excellence program Bachelor with Honors for outstanding undergraduates. Most

of our 8 Master's programs are given in English. Students of the doctoral program and the 7 doctoral colleges are members of our Doctoral School.

## **Social Responsibility**

We recognize our responsibility in the shaping of desirable futures for our society. We strive to comment on the impact of information technologies on society, and actively further the knowledge and innovation transfer to companies and the public.





**TU Wien**

**Founded in 1815, TU Wien has become Austria's largest scientific and technical research and education institution.**

"Technology for people" – that is TU Wien's mission statement. It stands for academic excellence through research and wide-ranging competence through teaching.

A motivating working environment in which people can develop and realise ambitious goals is crucial to the success of our university. TU Wien offers an exciting and varied working environment for employees from diverse backgrounds and with varying levels of experience. Skilled and motivated employees form the best foundation for and are directly linked to our success.

At TU Wien, we are committed to fulfilling our social responsibility and our role as a responsible employer. This includes free day nursery, and full health and social insurance.



# Living in Vienna

## **A Modern City in the Heart of Europe**

The combination of high political and social stability, affordable cost of living, excellent infrastructure, and an outstanding cultural offering speaks for the city. Mountain spring water straight from the tap, high-quality public services, expansive green areas— all this and more lets you feel at home right away.

With a metro population of 2.6 million and a GDP of €90+ billion, Vienna is Austria's cultural, economic, and political center. The bustling city is rich in history and culture and known for its high quality of living and unique heritage in music and the arts. Vienna is innovative, young and forward-thinking, and leads the 2019 Smart City Strategy Index.



## Vienna is ...

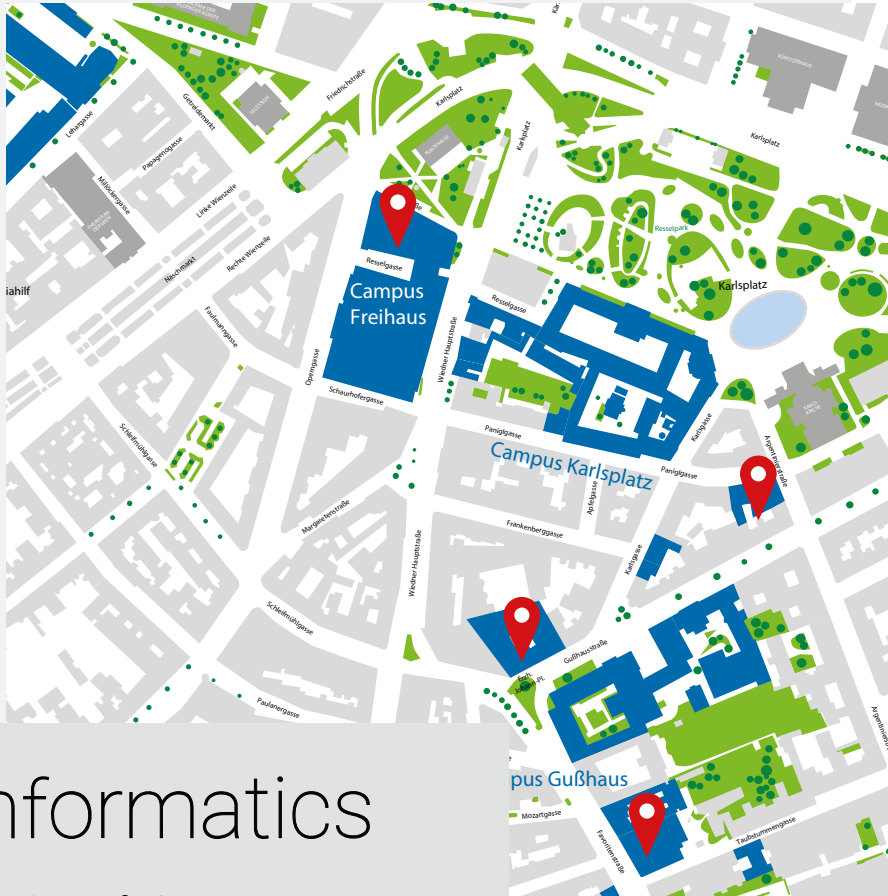
... **the sixth-largest city in the EU** and the second-largest in the German-speaking world. Vienna is known for its economic wealth (fifth-wealthiest city in the EU) and significant industry sector—especially in R & D and information technologies.

... **young, innovative, and successful.** There are more than 200.000 university students studying at 15 universities, making it the number 1 university city in the German-speaking world. Vienna is a European hotspot for start-ups and an ideal breeding-place for innovation.

... **internationally recognized for its unmatched quality of living.** Again and again, several international organisations named Vienna the „most liveable city in the world“. In 2019, Mercer named Vienna the city with the world’s highest quality of living for the tenth consecutive year.

... **a European research epicenter.** In 2020, there were 1.560 research organisations (848 companies), representing 31% of all such institutions in Austria, which employed 46.000 people. 30%, or €3.3 billion, of Austrian R & D funding was invested in Vienna.

... **a global capital of the Arts.** There are over 120 theaters. Vienna is famed for its rich tradition in classical music. There are over 160 museums, amongst them the Kunsthistorisches Museum, one of the world’s largest and most important museums, the Albertina and the Museum of Modern Art.



# Informatics

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