PhD position at Atominstitut, TU Wien

Research group: Quantum metrology, https://www.tuwien.at/en/phy/ati/quantum-metrology

We offer one full-time 3 years PhD position for a highly motivated and well-qualified early stage researcher to work on the numerical simulation of the preparation of atomic ensembles for optical clocks and quantitative simulations of cavity-QED systems.

The position will be financed by the European Union within the QuRIOUS Innovative Training Network, see https://www.quriousclocks.eu/ for more details. To foster diversity in our research group, female candidates are strongly encouraged to apply.

Candidates must hold a master degree in physics or should complete the requirements for a degree soon, have a strong interest in quantum metrology, and be able to perform involved mathematical calculations and numerical simulations.

Formal requirements:
At the date of recruitment, the candidate should not have resided in Austria for more than 12 months in the last 3 years preceding the recruitment, unless as part of a procedure for obtaining refugee status under the Geneva Convention.

Benefits:
- Interesting working environment in a large international institute
- English speaking environment
- Vacation days: 25 days
- Parental leave possible
- Salary according to the B1 level of the Austrian Collective Agreement for university staff, corresponding to a gross salary of 3 714.80 EUR/Month (14 times/year)
- Additional mobility and family (if applicable) allowances

Interested candidates are invited to submit a letter describing their research interests, a detailed CV, a grade certificate from master and bachelor studies, and (optionally) the electronic (email) contact details of potential referee(s).

All applications should be sent in electronic form to qurious.application@tuwien.ac.at.

In the case of an unsuccessful application, your submitted information will be deleted within six months after the closure of the application procedure.

Please send us your applications before 01.02.2026.
The starting date is flexible, but not later than 01.10.2026.