PhD Position in Quantum Physics

At the Institute for Complex Quantum Systems, Ulm University

We invite applications for a PhD position in the field **quantum technology** (computing, networking, simulation), to be advised by Patrick Emonts and co-advised by Joachim Ankerhold. At the [Institute for Complex Quantum Systems](), you will find a welcoming, open, and highly interactive research environment. Our work is collaborative and interdisciplinary, spanning the fields of computer science, physics and math and it is firmly embedded in the international quantum computing and quantum technology community.

Job description

The topic of your PhD will lie at the exciting interface of **theoretical physics, quantum information theory, and computer science**, with the exact focus depending on your personal interests and background. If you are curious about the research directions that we pursue in our group, you can find more detailed information on our website at [patrickemonts.com]().

The position is grouped as TV-L E13.1.

Profile

We strongly encourage you to submit an application if you have an academic background in **theoretical physics, computer science, or mathematics**, if you are highly motivated to pursue a PhD, and if you are enthusiastic about collaborating and working together with others. Your PhD is expected to begin in the spring of 2026.

How to apply?

We look forward to receiving your online application with the following documents in a **single merged pdf file in this order**:

- a statement explaining how you came to be interested in quantum technology and why you want to pursue a PhD (max. 600 words),
- a CV (max 2 pages),
- a transcript of records (Bachelor's and Master's),
- the contact details of one or two referees (we will contact them as we review the applications),
- a *short* explanation of your greatest achievement,
- if available, a sample of your own academic writing, for example, a thesis or publication.

We are starting to consider applications on **December 1st, 2025**, but applications can still be submitted until the job is filled. **Please send the application via email to [patrick.emonts@uni-ulm.de]() .**

If you are in doubt if you should apply, or if you have any questions about the position whatsoever, please do not hesitate to contact Patrick Emonts ([patrick.emonts@uni-ulm.de]()).