Department of Informatics
Technische Universität München

## Full-Time Research Assistant (m/f/d):

## Optimizing Compilers for Digital Quantum Computing

The Munich Quantum Valley aims at developing a full quantum computing stack, from the application level, software interfaces and control electronics to the physical quantum hardware. Within this interdisciplinary project, we are looking for a strong candidate to contribute to one key component, namely an optimizing compiler for bridging the gap between software and hardware.

### Your qualifications

- An excellent Master degree either in Computer Science, Physics, Mathematics or related fields, ideally with a background in Quantum Theory, Compilers or Numerical Computing
- Enthusiasm for an exciting new computing paradigm involving the development of innovative solutions
- Openness to communicate, cooperate and exchange ideas within a joint endeavor of multiple vibrant research teams

### Our offer

- A position 100% TV-L E13 at the department of Informatics at TU München
- Opportunity for a acquiring a PhD
- Participating in an inspiring international scientific environment
- Contributing to one of the most ambitious efforts for enabling quantum technology in Europe

### To apply

Please send us your application by e-mail (seidl@in.tum.de) with the following documents:
▪ Curriculum vitae, copies of relevant certificates and diplomas, contact information for two references
▪ Short description of your research interests and your motivation for the application
▪ Master thesis and/or (if available) up to 3 publications

**Application deadline: open**

### General Information

TUM is aiming to increase the number of women employees, and applications from women are expressly welcomed. People with disabilities, with essentially the same suitability and qualification, will be preferred. As you apply for a position at the Technical University of Munich (TUM), you provide personal data. Please note our data protection information according to Art. 13 Data Protection Basic Regulation (DSGVO) on the collection and processing of personal data in connection with your application. By submitting your application, you confirm that you have taken note of the data protection information of the TUM.

**Munich, Oct. 26, 2021**

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