



Job posting no. 20250828

The GWDDG is seeking a

Quantum Computing Trainer and Consultant (m/f/d)

to join an interdisciplinary team of HPC experts in the working group “Computing” (AG C) with a regular working week of 39 hours (100%). Remuneration is in accordance with the collective agreement for the German public service (federal government); depending on qualifications, the position will be grade E 13. The position is suitable for part-time work and initially limited to four years. The GWDDG strives for long-term cooperation. If interested, there is the possibility of a doctorate.

The Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen (GWDDG) is the university computing center for the Georg-August-Universität Göttingen and a computing and IT competence center for the Max Planck Society. The provision of high-performance HPC systems has been one of its tasks for over 40 years. In 2020, the University of Göttingen / GWDDG was accepted as one of eight computing centers in the National High-Performance Computing (NHR) network. The GWDDG operates the HLRN-IV system “Emmy”, which is one of the most powerful computers in the world.

As a national supercomputing center, the GWDDG provides technical support to researchers and students from various scientific domains, including earth system science, life science, and engineering. We also participate in both national and international research projects. At the same time, we aim to improve our close collaboration with the German Aerospace Center (DLR) and specialized computing centers, including the German Climate Computing Center (DKRZ) and the Institute for Advanced Simulation Jülich (IAS-JSC).

To add a new chapter to our commitment to providing innovative technical services, we are looking for a highly motivated candidate to be part of the QUICS (Quantum Innovation and Computing for SME) project. QUICS aims to provide low-threshold, secure, and reliable access to quantum resources for SMEs via an online portal. In addition to providing access, the goal is also to support companies by training them in different quantum technologies. Therefore, the successful candidate should have prior experience with using quantum technologies to solve problems in various domains and have experience in training and consulting.

The GWDDG, along with the Faculty of Mathematics and Computer Science and the Campus Institute Data Science (CIDAS) of the University of Göttingen, provides a stimulating research environment in Scientific Computing, with an opportunity to conduct research at the intersection of applied computer science, High-Performance Computing, Quantum Computing, and AI.

Responsibilities

We have a wide range of potential responsibilities that we would like to discuss with you. Your responsibilities in our team could include, for example:

- Design quantum computing courses and hands-on and conduct courses, specifically for SMEs
- Design of tailored consulting services for quantum computing hardware platform selection, algorithm design, and hybrid architectures
- Raise awareness of the potential of quantum computing among SMEs through targeted public outreach
- Planning, organization, and execution of events, workshops, and networking activities
- Contribute in development and maintenance of hybrid classical-quantum workflows
- Contribute in performance analysis and benchmarking of quantum algorithms and hardware
- Identify and implement use cases of quantum computers together with customers
- Stay current with advancements in quantum computing research and translate findings into actionable solutions

Requirements

- Completed university degree (Master/Diploma) in Computer Science, Physics, Mathematics, Computational Science, or a related field
- Good knowledge in quantum computing (programming, algorithms, and NISQ architectures)
- Willingness to acquire domain-specific expertise
- Proven track record in designing and delivering of training/education programs
- Fluent in written and spoken English and German

Desirable

- Familiarity with software development, particularly in Python
- Publications in quantum computing journals or conferences
- Familiarity with working on HPC systems
- Strong organizational skills and experience in event planning

Our offer

- Flexible working hours and opportunity for mobile working
- A modern, diverse, and exceptional work environment with close proximity to academia and research at the intersection of several innovative technology sectors
- An interesting, versatile job in a large, internationally operating IT competence center
- Collaboration in a competent and committed team
- Qualification and further development of your skills
- Social benefits of the public sector

Your application

Have we sparked your interest? Then please send us your application by **27.09.2025** via our [online form](#).

The GWDDG strives for gender equity and diversity and therefore welcomes applications from any background. The GWDDG strives to employ more severely disabled people. Applications from severely disabled persons are expressly encouraged.

If you have any questions about the advertised position, please contact Dr. Christian Boehme (e-mail: christian.boehme@gwdg.de).