

Please send a cover letter stating research aims and a CV to:
**Dekan der Fakultät für
Mathematik, Informatik und
Naturwissenschaften der
RWTH Aachen University,
Prof. Dr. Honerkamp, 52056
Aachen.**

In addition, please complete the questionnaire, accessible at www.fb1.rwth-aachen.de/jobs

You can also send your application via email to application@fb1.rwth-aachen.de. Please note, however, that communication via unencrypted e-mail poses a threat to confidentiality as it is potentially vulnerable to unauthorized access by third parties. For information on the collection of personal data pursuant to Articles 13 and 14 of the General Data Protection Regulation (GDPR), please visit <https://www.rwth-aachen.de/gdpr-information>.

The deadline for applications is December 20 2020.

This position is also available as part-time employment per request.

We welcome applications from all suitably qualified candidates regardless of gender. RWTH Aachen University is certified as a family-friendly university and offers a dual career program for partner hiring. We particularly welcome and encourage applications from women, disabled people and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

RWTH Aachen University is one of Germany's pre-eminent Universities of Excellence, which entails the highest quality in teaching and world-class research. RWTH addresses bold, scientific questions; it also assumes a profound responsibility toward society and transfers its knowledge into meaningful applications. RWTH strives for the convergence of knowledge, methods, and findings from its research fields and integrates in-depth disciplinary knowledge into interdisciplinary research consortia represented as profile areas. The university's dynamic, creative, and international environment encompasses efficient research networks, institutionalized cooperations, and, most of all, the innovative RWTH Campus-Project which harbors one of the most extensive technology-oriented research landscapes in Europe.

Full Professor (W2, tenure track) in Quantum Algorithms Faculty of Mathematics, Computer Science and Natural Sciences

This is a professorship appointment for a five year term with a tenure track career path towards a permanent W3 professorship. For further information about the tenure track process, please visit www.rwth-aachen.de/tenuretrack.

We are seeking qualified applicants for teaching and research in the area of quantum algorithms, error correction, and applications of future quantum computers. The starting date is as soon as possible. The candidate must have proven theoretical research accomplishments in the area of quantum information processing. The work of the candidate is to strengthen the Cluster of Excellence "Matter and Light for Quantum Computing" (ML4Q) and the research program on quantum computing and condensed matter physics at RWTH Aachen University and Forschungszentrum Jülich. Areas of interests sought include all software and algorithm-related aspects of quantum computing as well as other relevant theoretical aspects. Connections to experimental efforts and real-life applications as well as participation in the related profile areas on Computational Science and Engineering (CompSE) and/or Information and Communication Technologies (ICT) are desired.

Participation in the teaching activities in theoretical physics on all levels is required. Participation in academic self administration is expected.

The requirements include a doctoral degree and additional research experience, such as a habilitation (post-doctoral lecturing qualification) or equivalent achievements gained as a university researcher or professor or in a research position outside academia. Ability in and commitment to teaching are essential. The application should include supporting documents regarding success in teaching. German is not necessary to begin but will be expected as a teaching language within the first 5 years.