

Ruhr-Universität Bochum (RUB) is one of Germany's leading **research universities**. The University draws its strengths from both the diversity and the proximity of scientific and engineering disciplines on a single, coherent campus. This highly **dynamic setting** enables students and researchers to work across traditional boundaries of academic subjects and faculties.

## W3-PROFESSOR FOR QUANTUM INFORMATION

The Center of Computer Science at the Ruhr-Universität Bochum invites applications for the position at the **Department of Mathematics** of a Professor for Quantum Information (W3) to start as soon as possible.

The candidate is expected to establish an excellent research program, to conduct and publish innovative research, be an effective lecturer and mentor of both undergraduate and graduate students, and participate in institutional and professional processes. We are looking for scientists with an internationally visible research profile in Quantum Information, in at least one of the following subfields:

- Quantum information theory
- Quantum computation and quantum algorithms
- Cryptography in a quantum world
- Quantum communication
- Quantum complexity theory

The successful applicant is expected to cooperate with the Horst Görtz IT Security Research Department and especially with the recently granted cluster of excellence "CASA: Cyber Security in the Age of Large-Scale Adversaries", and to play an active role in the development of the Center of Computer Science at the Ruhr-Universität Bochum (led by the Faculty of Mathematics and the Faculty of Electrical Engineering and Information Technology). The recently founded Max Planck Institute for Cybersecurity and Privacy offers additional possibilities for collaboration. We expect:

- strong commitment to academic teaching at graduate and undergraduate level;
- readiness to participate in interdisciplinary research;
- willingness and ability to attract external funding;
- readiness to contribute to joint research projects of the department.

The Ruhr-University Bochum is an equal opportunity employer.

Complete applications including CV, copies of academic certificates, list of publications, list of self-raised third-party funds, teaching record, and a statement of research interests should be sent by email to the Dean of the Department of Mathematics, Prof. Dr. Peter Eichelsbacher; e-Mail: **mathe-dekanat@rub.de** not later than **November 30th 2019**.

Further information can be obtained at our website <https://www.informatik.rub.de/>.