

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](http://www.fb1.rwth-aachen.de/jobs)

You can also send your application via email to [application@fb1.rwth-aachen.de](mailto: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 18th June 2021.

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.

### **Junior Professor (W1, tenure track) in Modeling and Simulation in Catalysis** Faculty of Mathematics, Computer Science and Natural Sciences

This is a junior professorship appointment with a tenure track career path towards a W2 professorship. The position is funded by the Tenure Track Program of the German federal and state governments. This call for applications is therefore particularly targeted at early career researchers. For further information about the tenure track process, please visit [www.rwth-aachen.de/tenuretrack](http://www.rwth-aachen.de/tenuretrack).

We are seeking qualified applicants for teaching and research in the area of modeling and simulation in catalysis. The starting date is winter semester 2021/2022. The applicant should possess recognized expertises in multiscale modeling of reaction and transport phenomena in the field of catalysis, including methods coupling various length scales ranging from quantum, to atomistic, to meso- and finally macroscopic scale. In a theoretical context, bridging the gap between molecular understanding towards a rational design of catalyst systems is sought in order to derive a tailor made design of active sites and material structure.

The professorship will be part of the Institut für Technische und Makromolekulare Chemie. The catalysis research of the department of chemistry as well as the interface to chemical engineering and material sciences is to be strengthened, and the expertise of the department of chemistry complemented. Participation in the cluster of excellence "Fuel Science Center" is mandatory. A close collaboration with the Max-Planck-Institute for chemical energy conversion and FZ Jülich (JARA Energy and JARY CSD) is desired.

The professorship will be incorporated in the teaching duties of chemistry, with emphasis on chemical technology. Additionally, teaching in related subjects is expected. Participation in academic self administration is desired.

You should have a completed university degree and a special aptitude for scientific work which is generally verified by means of an outstanding doctorate. 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 5 years.