Please send a cover letter stating research aims and a CV to: Dekan der Fakultät für Maschinenwesen der RWTH Aachen University, Univ.-Prof. Dr.-Ing. Jörg Feldhusen, 52056 Aachen.

You can also send your application via email to dekan@fb4.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.

The deadline for applications is 17.01.2020.

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

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.

This is a junior professorship appointment with tenure track towards a W2 professorship. It is funded by the Tenure-Track-Program of the German Federal Government and the Federal States. More information about the tenure track process can be found online at www.rwth-aachen.de/tenuretrack.

We are seeking qualified applicants for teaching and research in the area of Multi-scale Modeling of Heterogeneous Catalysis in Energy Systems. The starting date is as soon as possible.

Computational design is one of the cornerstones in modern development of materials and interface structure for heterogeneous catalysis. Due to the multiscale nature of energy systems such as batteries, fuel cells, or exhaust gas aftertreatment systems, their computational modeling strongly benefits from molecular level simulations and their interpretation in the context of the macroscopic effects at the system scale level of the technical process. Applicants should have expertise in simulation methods such as quantum chemistry and molecular dynamics simulations, their application for energy systems, and methods for computational design (e.g. screening methods, molecular descriptors).

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.

Experience with teaching in Quantum and Molecular Simulation Methods for students of mechanical engineering is an advantage. International visibility and strong publication record on a junior researcher level is expected.