

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 27.12.2019.

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.

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 (W3) in Optical Systems Technology Faculty of Mechanical Engineering

We are seeking qualified applicants for teaching and research in the area of optical systems technology. The starting date is March 1, 2021.

The successful candidate is to be expected to be an acknowledged expert in several of the following areas:

- Design, assembly and analysis of innovative optical systems in lasers and in (adaptive) manufacturing systems with lasers,
- Self-configuring (micro-)optical systems,
- Multiphysical modelling of optical systems,
- Optical systems for the use of extremely ultraviolet (EUV) radiation in nanotechnology and
- Engineering implementation of results of basic research in the field of quantum optics.

The future job holder should impart the basics and in-depth knowledge in the above-mentioned fields in Bachelor's and Master's degree courses in mechanical engineering, electrical engineering and physics within the RWTH Aachen University, in both the German and English languages.

The applicant needs to have experience in acquiring third-party funds on a national and international level and in cooperating with industrial companies/industry experience. The applicant is assumed to have a readiness to cooperate with the other chairs and institutes of the university's faculties in an interdisciplinary manner and to contribute to academic administrative self-administration.

Of particular importance is the candidate's willingness to cooperate with the Fraunhofer Institute for Laser Technology, with which a close cooperation exists and is to be continued.

A Ph.D. degree is required; additionally, Habilitation (post-doctoral lecturing qualification), an exemplary record of research achievement as an assistant / an associate / a junior professor or university researcher and/or an outstanding career outside academia are highly desirable. 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.

Experience in the teaching of optical systems for students of mechanical engineering is an advantage. High international visibility and excellent publication performance are expected.