Please send a cover letter stating research aims and a CV to: Prodekanin der Fakultät für Maschinenwesen der RWTH Aachen, Univ.-Prof. Dr.-Ing. Katharina Schmitz, 52056 Aachen.

You can also send your application via email to katharina.schmitz@ifas.rwth-aachen.de. Please note, however, that communication via unencrypted email 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 www.rwth-aachen.de/gdpr-information.

The deadline for applications is January 29, 2023.

This position is also available on a part-time basis 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 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 Fluid Mechanics at the Faculty of Mechanical Engineering**

We are inviting applications for the position of full professor in the area of fluid mechanics, to be filled as soon as possible. The development of experimental and computational methods in fluid mechanics shall remain the focus of the chair. The professorial position comprises the management of the Institute of Aerodynamics. The institute enables close research collaboration with chairs in energy engineering, chemical and process engineering and aerospace. An active involvement in multi-PI projects, e.g., the Cluster of Excellence “The Fuel Science Center” (Excellence Strategy), JARA Center for Simulation and Data Science and Center for Wind Power Drives at RWTH Aachen University is desired.

The sought personality has profound knowledge in High-Performance Computing (HPC) and thus can also demonstrate experience with corresponding numerical simulations in the field of turbulent flows. In addition, continuation and further development of experimental research in the institute is expected. Experience in the participation and management of interdisciplinary projects in basic research and also in application-oriented research should also be available.

The successful candidate will teach, among other classes, Fluid Mechanics I & II, which are core classes in the mechanical engineering. Thus, she or he shall have the ability to competently teach classes with many students and to excite the mechanical engineering students about the complex challenges of experimental and numerical fluid mechanics related to current global and societal challenges.

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. Teaching ability and dedication are essential and the application should include proof of this. Fluent German is not required to start the position but the successful candidate will be expected to hold classes in German within the first 5 years.

High international visibility and excellent publication record are expected. Please submit your application materials in English.