



Announcement

University of Stuttgart, Faculty of Aerospace Engineering and Geodesy

Professorship (W1 with TT) „Measurement Methods in Thermodynamics for Aerospace Engineering“

Institute of Aerospace Thermodynamics | at the earliest opportunity

The University of Stuttgart is one of the leading technically oriented universities in Germany in one of Europe's most vibrant high-tech and industrial areas. The university is a reliable employer, partner for technology transfer and is committed to the interdisciplinary integration of engineering, natural sciences, humanities, and social sciences based on the fundamentals of cutting-edge research at a disciplinary level.

The call for applications is aimed at outstanding young scientists in the early career phase who have an excellent record of high-ranking scientific publications with international visibility and who have in-depth knowledge of at least one of the following key topics:

- Heat transfer intensification
- Droplet dynamic processes and sprays
- Heat and mass transfer in compressible flows
- Heat transfer in complex structures and/or in high-temperature or cryogenic applications

Experimental investigations using complementary, innovative methods in the above-mentioned areas of aerospace engineering are to be combined with the development of models to describe the processes involved, and can be flanked by numerical investigations. The aim is to create a link between basic experiments and application-relevant investigations. Data analyses are to be supported by modern methods, such as machine learning processes.

Didactic skills, skills for interdisciplinary collaboration in research projects and the willingness to acquire funding as well as active participation in academic self-administration are also expected. In teaching, courses on thermodynamics are to be held for engineers in the Bachelor's and Master's degree programs in aerospace engineering.

For a qualitative assessment of your academic accomplishments, we kindly ask you to submit a short description of your three most important scientific achievements, which should be no longer than one page. Possible successes may include, for example, those in the fields of research, teaching, science and society, knowledge and technology transfer, inventions and patents, software development or spin-offs.

The requirements for employment listed in § 51 Baden-Württemberg university law apply. The position is a tenure track position leading to an appointment as a W3 professor in case of a positive evaluation. For more information on the criteria of evaluation and quality management, please visit the website www.uni-stuttgart.de/tenure-track-en.

Applications (incl. a teaching and research concept) and a completed application form (to be found at www.f06.uni-stuttgart.de/stellen) are requested by 29.06.2025, preferably in a single PDF file and by email to dekanat@f06.uni-stuttgart.de. Please be aware of the risks regarding confidentiality and the integrity of your application contents when sending your application via unencrypted email. Alternatively, applications in paper form are also accepted to the chairperson of the appointment committee Prof. Dr. Stefanos Fasoulas, Faculty of Aerospace Engineering and Geodesy, University of Stuttgart, Pfaffenwaldring 27, 70569 Stuttgart. Please address any questions regarding the current appointment process to the chairperson.

The University of Stuttgart has established a Dual Career Program to offer assistance to partners of those moving to Stuttgart: www.uni-stuttgart.de/dual-career-en.

The University of Stuttgart is an equal opportunity employer. Applications from women are strongly encouraged. Disabled persons will be given preference in case of equal qualifications.

Information on the collection of personal data in accordance with Article 13 of the GDPR can be found via the following link: www.uni-stuttgart.de/en/privacy-notice/job-application.