



The Vienna University of Technology, TU Wien for short, is located in the heart of Europe, a culturally diverse and genuinely international place. We have been conducting research, teaching and learning under the motto 'Technology for People' for over 200 years. TU Wien is amongst Europe's most successful universities of technology and, with close to 30,000 students and a staff of about 4,800, it is Austria's largest research and education institution for sciences and engineering.

The Institute for Engineering Design and Logistics Engineering
at the Faculty of Mechanical and Industrial Engineering
invites applications for the position of a
University Professor
in the specialist field of "**Aircraft Systems**"

The position (permanent, full time contract) is to be filled as of 01.01.2019. It is promoted as an endowed professorship regulated by § 98 of the 2002 Universities Act (UG).

The appointment is allocated in TU Wien's development plan and it is promoted as endowed professorship in the first five years by the Federal Ministry for Transport, Innovation and Technology together with Diamond Aircraft, FACC AG, Frequentis AG, Pankl Aerospace, Rübiger and Testfuchs GmbH under the RTI initiative "Takeoff" in the field of "Innovative Technologies for Aviation". An accompanying external evaluation of the professorship takes place during the five-year start-up phase.

The development plan of TU Wien links the professorship for Aircraft Systems to the research focus "Computational Science & Engineering". The professorship should focus especially on the following three areas:

- Aircrafts in the surrounding operational field
- Systems in aircraft
- Complex aircraft structures

The holder of the position will represent these research areas in a more specific framework in research, teaching, training and externally funded research and should obtain a bridge-building function with the private sector. She/He should develop an independent teaching and research program in the field of Aircraft Systems within an own research group. This field includes inter alia manned and unmanned fixed wing aircraft and rotorcraft as well as hybrid systems. The professorship is dedicated to adequate participation in the research areas and curricula of TU Wien, the Faculty of Mechanical and Industrial Engineering and the university's self-management.

The holder of the position should show high willingness to cooperate within and outside the university and establish professional connections across institutes, faculties and universities (e.g. concerning the intended (mid-term) goal of setting up an interfaculty master program for aviation). Cooperative relationships will be supported by TU Wien among other things by a departmental and interfaculty, practical research and development environment.

Profile of requirements:

- Completed doctoral or PhD studies corresponding to the position described from a domestic or equivalent foreign university or research institution (or achievement of an equivalent scientific qualification)

- The qualification for lecturing (venia docendi) acquired at a domestic or equivalent foreign university or an academic qualification recognised as equivalent to qualification as an university lecturer
- Publications in internationally recognised professional academic journals in the fields of work of the professorship
- Pedagogic or didactic qualification for academic teaching in the field of specialisation cited, in German and in English
- Research experience relevant to the field of specialisation with national and international reputation as well as skills in networking
- A coherent research and teaching strategy
- The incumbent will ideally have competence or experience in the professional promotion of young scholars and women as well as in the field of gender mainstreaming

Particular requirements:

- Excellent knowledge in the field of system technology of aircrafts in the surrounding operational field
- Excellent knowledge in design and layout of manned and/or unmanned fixed wing aircraft and rotorcraft (fixed wing aircraft, helicopters, tiltrotor- / tiltwing aircraft and hybrid systems)
- Knowledge of the relevant parts of air law, especially w.r.t. certification specifications for aircraft and certification processes
- Good knowledge of engineering design to realize new concepts of aircraft
- Experience in the cooperation with research institutions and industrial partners on national, EU- and international level. Experience in the private sector (aircraft design, engineering and design in general) is highly appreciated
- Experience in the acquisition, implementation and management of research projects
- Qualification and willingness to lead a research area respectively a research group
- In the case of limited knowledge of German language willingness to learn German in a suitable time
- It is expected that the area of Vienna will be the place of living

The Faculty of Mechanical and Industrial Engineering offers excellent working conditions in an attractive research area with a large potential for future development. The Institute for Engineering Design and Logistics Engineering resides in a modern, completely renovated building with new, modern infrastructure. A large number of collaborations with many partners in science and industry is well established. The Institute is very active in national, transnational and international projects and other programs of scientific excellence.

TU Wien offers:

- Excellent working conditions in an attractive research environment
- Attractive compensation combined with a supplemental retirement pension from the employer
- Financial support of research activities in the first years (equipment endowment, etc.); support in moving to Vienna (if required)
- Dual career advice (if required): We offer partners of the university professors appointed to TU Wien various support opportunities tailored to their individual situation
- A cooperative environment in a city with an extraordinary high quality of life



Classification in the A1 category of the collective bargaining agreement for employees of universities and a minimum salary of EUR 5,005.10/month (14 times a year) is provided. Depending on qualifications and experience, higher salary is subject to appointment negotiations.

General Information about

- TU Wien can be found at www.tuwien.ac.at/en/
- the Faculty for Mechanical and Industrial Engineering can be found at <https://tiss.tuwien.ac.at/adressbuch/adressbuch/fakultaet/1670?locale=en>
- the Institute for Engineering Design and Logistics Engineering can be found at <https://www.ikl.tuwien.ac.at/home/EN/>

Applications must include the following documents:

- A detailed curriculum vitae (including professional and academic biography)
- A list of publications
- A listing of teaching and lecturing activities
- Copies of the five most important publications with regard to the position announced
- Presentation of previous academic activities as well as a survey of carried out research and development projects and attracted third-party funding
- Motivation letter and thoughts on the future positioning and further development of the field of Aircraft Systems at the Institute for Engineering Design and Logistics Engineering and TU Wien in research and teaching

TU Wien aims at increasing the share of women, in particular in management functions and in the academic/artistic staff and therefore expressly encourages qualified women to apply. Female applicants who are equally qualified as the best qualified competing male applicant will be accepted by preference unless personal qualifications of a competing male applicant prevail.

We endeavour to hire handicapped people with corresponding qualifications and therefore expressly encourage them to apply. For more information please contact the confidential counsellor for handicapped persons at TU Wien, Mr Gerhard Neustätter (contact: Gerhard Neustätter, gerhard.neustaetter@tuwien.ac.at).

As a modern university that is considerate of individual development and realisation of potential, TU Wien stands up for equal opportunities, for compatibility of career and family/leisure and for the needs of dual career couples.

Applications comprising all requested documents should be sent until **August 1st, 2018** (date of postmark or date of email) to

TU Wien
Deanery Center, Getreidemarkt 9/E402
Faculty of Mechanical and Industrial Engineering
1060 Vienna, Austria

Besides the written application an USB-Stick or CD-ROM has to be added containing all application documents.

The Dean of the Faculty: Univ.-Prof. Dipl.-Ing. Dr.-Ing. Detlef Gerhard