



The **Faculty of Mechanical and Industrial Engineering of TU Wien** invites applications for a **Faculty Position (Full Professor)** in

“Lightweight Design” (“Leichtbau“) in accordance with §98 UG
(Succession O. Univ.-Prof. Dr. F G. Rammerstorfer)

The permanent position is affiliated with the
Institute of Lightweight Design and Structural Biomechanics
and will commence 01.01.2017 at the earliest.

TU Wien is located in the heart of Europe, in a cosmopolitan city of great cultural diversity. For 200 years, TU Wien has been a place of research, teaching and learning in the service of progress. TU Wien is among the most successful technical universities in Europe and is Austria’s largest scientific-technical research and educational institution.

The mission of TU Wien is "technology for people". Through our research we "develop scientific excellence", through our teaching we "enhance comprehensive competence". For the advertised post we seek an individual that will actively contribute to the mission and help to ensure that TU Wien stays at the forefront of science and engineering in the future.

Requirements for a successful application are:

- A completed Austrian university degree or a comparably degree from a non-Austrian university in a subject appropriate and of sufficient level (PhD) for the post advertised.
- Outstanding scientific qualification in research (habilitation or equivalent) in the subject area advertised
- Excellent pedagogic and didactic skills for higher education

Special requirements are:

- Track record in the area of lightweight design with a focus on the development of new methods for computer-aided simulation of lightweight structures material compounds and composites as well as advanced materials
- Subject-specific international experience and a track record in scientific collaboration at the national and international level
- Track record of external research funding
- Track record of successfully completed externally funded research- or comparable industry projects

The successful applicant will be highly motivated with demonstrated leadership abilities and have an internationally recognised track record in the field advertised. Future research activities shall fit into the already existing research activities at the Institute of Lightweight Design and Structural Biomechanics. The applicants’ willingness for collaboration with existing research groups in micromechanics, mechanics structures



and materials as well as numerical biomechanics and experimental biomechanics is presumed. The applicant will be expected to generate external funding and submit research proposals to public and semi-public funding agencies.

The successful applicant is expected to demonstrate their scientific qualification via peer-reviewed publications as well as research projects in the subject area of lightweight design. Particular emphasis in this context is put on projects concerned with solving problems on several length-scales.

Teaching duties include mandatory lectures (BSc and MSc level) as well as elective courses in the study programme of mechanical engineering (in German language). In particular, teaching of subjects of finite element methods (Introduction to Finite Element Methods and Nonlinear Finite Element Methods) as well as Lightweight Design will be required.

TU Wien is committed to increasing female employment in leading scientific positions. Female applicants are explicitly encouraged to apply. Preference will be given to female applicants in case of equal qualification. Persons with disabilities or special needs are equally encouraged to apply. The successful applicant will ideally be competent in promotion of young talent and women as well as in the area of gender mainstreaming.

In accordance with the Austrian Collective Agreement for University Staff full professors receive a minimum salary of currently about EUR 4.842,70 per month (14 times per year). The actual salary will be agreed between the successful applicant and the university, commensurate with qualifications and relevant experience.

Applications (in English language) have to include:

- a detailed curriculum vitae including scientific and professional track record as well as scientific areas of interest,
- a list of publications including bibliometric data (from Web of Science or SCOPUS with declaration of source) e.g. h-index, number of citations etc.,
- a list of scientific talks,
- copies of the applicant's five most important publications,
- as well as a current and future research statement.

Applications should be directed to the Dean of the Faculty of Mechanical and Industrial Engineering of TU Wien on or before April 22nd, 2016 (date of the postmark). All documents must be submitted electronically as well as in paper form (5 copies).

Address:

TU Wien

Dean of the Faculty of Mechanical and Industrial Engineering

Getreidemarkt 9/E402

1060 Wien, Austria

Information about the institute is available under <http://www.ilsb.tuwien.ac.at> Further advice may be obtained from the head of the institute, a.O. Univ.-Prof. Dr. Helmut



Boehm (helmut.boehm@tuwien.ac.at), or from the Dean of the Faculty of Mechanical and Industrial Engineering, Univ.-Prof. Dr. Detlef Gerhard (detlef.gerhard@tuwien.ac.at).