



TECHNISCHE  
UNIVERSITÄT  
WIEN  
Vienna | Austria



Announcement of an open position at the Faculty of Civil Engineering at Technische Universität Wien for an

## Assistant Professorship (Tenure Track) in „Material- and Structural Simulation“

The Faculty of Civil Engineering at the Technische Universität Wien is announcing the position for a fulltime Assistant Professorship (Tenure Track) in "Material- and Structural Simulation", expected to begin on 1<sup>st</sup> March 2017.

The work contract is initially limited to six years. The candidate and TU Wien can agree upon a tenure evaluation, which when positive, opens the possibility to change the position to Associate Professor with an unlimited contract. The assistant professorship will be associated with the Institute of Mechanics of Materials and Structures at the Faculty of Civil Engineering, TU Wien. This institute is devoted to engineering mechanics in a broad sense, maintaining a balance between theoretical, computational, and experimental activities at multiple scales. It is well known for fundamental developments in homogenization theory, numerical methods, and experimental mechanics on the one hand, and on the other hand, for innovative applications of these developments to civil and biomedical materials and structures (e.g. reinforced concrete, shotcrete, soil, wood, asphalt, brick, rubber; bone, hard and soft tissues; tunnels, pipelines, concrete and timber structures; tissue engineering scaffolds).

The successful candidate is expected to strengthen and enrich the research activities with respect to wood, wood-based products, and timber structures, with an emphasis on the development and application of advanced and innovative numerical methods and concepts. Furthermore, the candidate is expected to apply innovative methods and developments to other building materials, in order to establish successful new research fields and to further and enhance the thriving interdisciplinary research atmosphere at the Institute for Mechanics of Materials and Structures. Additionally, the work duties involve teaching of numerical methods and structural timber engineering courses at undergraduate and graduate level, as well as the supervision of degree projects and doctoral students.

### Requirements:

- Adequate completed Austrian or equivalent foreign university education with relevant PhD
- Proven research activity in the field of wood research and the development and application of numerical methods to investigate the mechanical behavior of building materials
- Activity and embeddedness in the wood research landscape
- Scientific publications in international in specialized literature
- Experience in teaching (lecturing and presentation skills)
- National and international research cooperations
- Experience in external funding acquisition
- Scientific work outside of TU Wien
- A working knowledge of the English language and willingness to learn German within an appropriate time frame

Candidates are team players with excellent communication skills.

Entry level salary as a postdoctoral researcher is covered by grade B1 of the Austrian Collective Agreement for university staff, and receives a minimum of currently EUR 3.590,70 pre-tax (14 times a year). After a positive tenure evaluation, this will be upgraded to grade A2, with a current minimum salary of EUR 4.246,30 pre-tax (14 times a year).

The Technische Universität Wien is committed to increase female employment in leading scientist positions. Qualified female applicants are expressly encouraged to apply and will be given preference when equally qualified.

TU Wien is strongly committed to its diversity hiring goals and strategies ([https://www.tuwien.ac.at/dle/personalentwicklung/tu\\_diversity\\_management/](https://www.tuwien.ac.at/dle/personalentwicklung/tu_diversity_management/)) and strives to employ persons with disabilities with appropriate qualifications and explicitly encourage them to send in their application. For requests please contact the counselling for people with disabilities at the TU Wien (Gerhard Neustätter, [gerhard.neustaetter@tuwien.ac.at](mailto:gerhard.neustaetter@tuwien.ac.at)).

Interested candidates are invited to submit a complete application in English including:

- A curriculum vitae
- Achievements in scientific research, including a list of publications
- Experience and activities in teaching and supervision of young researchers
- Proof of acquisition of third party funds
- A concept for future plans in research and teaching, and the contribution to the scientific profile of the Faculty of Civil Engineering and the Vienna University of Technology, respectively.

You may apply for this position until **28<sup>th</sup> December 2016** Austrian local time via E-Mail (date of submission). Online applications (in a single pdf-file) should be sent to Mr. Thomas Prager ([thomas.prager@tuwien.ac.at](mailto:thomas.prager@tuwien.ac.at)). Hardcopy applications must be postmarked on or before **28<sup>th</sup> December 2016** include a CD-ROM (or a USB stick) containing the entire application file. Applications should be addressed to Technische Universität Wien, Fachbereich wissenschaftliches Personal, Karlsplatz 13, 1040 Wien, Austria.

For further information please go to:

TU Wien [www.tuwien.ac.at](http://www.tuwien.ac.at)

Fakultät für Bauingenieurwesen [www.bauwesen.tuwien.ac.at](http://www.bauwesen.tuwien.ac.at)

