



**Announcement of an open position at the Faculty of Civil Engineering at
Technische Universität Wien for an Assistant Professorship (Tenure Track) in
“Risk assessment of water hazards”**

The Faculty of Civil Engineering at the Technische Universität Wien is announcing the position for a fulltime Assistant Professorship (Tenure Track) in “Risk assessment of water hazards”, expected to begin on 1st February 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 Hydraulic Engineering and Water Resources Management at the Faculty of Civil Engineering, TU Wien.

The position involves research and teaching in the field of risk assessment in water management, particularly in connection with extreme natural events such as floods and droughts and their impact on the entire water management system. A holistic approach is required that examines the interactions of the system components. The profile of the position includes research on and development of innovative concepts of risk assessment that enable efficient and sustainable use of water resources and management of water hazards in the future. Successful candidates have experience in several of the following areas:

- Analysis of process controls of risk-related events in water management, in particular floods and droughts, as well as evaluation of their probabilities;
- Analysis of the feedbacks between the components of complex water – management systems (social, economic, hydrological and technical components) by socio-hydrological methods;
- Development of statistical methods for using and combining different sources of information for estimating risks in water management;
- Analysis of temporal changes of water-related risks (e.g. floods) and attribution of the observed changes to the process controls;
- Analysis of the spatial interactions of extreme events and spatial combination of the probabilities of such events.

In teaching, the position represents all areas of risk assessment in water management for the Bachelor and Master degree programmes in Civil and Environmental Engineering. Willingness to attract external funding and to cooperate with other research groups at the TU Wien in research and teaching is expected.

Requirements:

- Adequate completed Austrian or equivalent foreign university education with relevant PhD
- 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



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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.

Handicapped persons with appropriate qualifications are expressly encouraged to apply. For requests please contact the counselling for people with disabilities at the TU Wien (Gerhard Neustätter, gerhard.neustaetter@tuwien.ac.at).

Applications should include at least:

- Presentation of scientific research
- Presentation of experience in university teaching and supervision of young researchers
- Verification of external funding acquisition
- Concept for future research, teaching and contribution to the scientific profile of the faculty and university

Applications should be in English and must be postmarked/electronically submitted on or before 30th November 2016. Applications should be addressed to Technische Universität Wien, Fachbereich wissenschaftliches Personal, Karlsplatz 13, 1040 Wien, Austria.

Hardcopy applications must include a CD-ROM (or a USB stick) containing the entire application file. Online applications (in a single pdf-file) should be sent to Mr. Thomas Prager (thomas.prager@tuwien.ac.at).