Assistant / Associate Professor of Engineering Geology

Faculty / department Civil Engineering and Geosciences
Level PhD degree
Maximum employment 38 hours per week (1 FTE)
Duration of contract Tenure track
Salary scale €3427 to €5780 per month gross

Civil Engineering and Geosciences

The Faculty of Civil Engineering and Geosciences of Delft University of Technology (TU Delft) provides leading international research and education, with innovation and sustainability as central themes. Research and education are closely interwoven and address societal challenges. The Faculty consists of the departments of Transport and Planning, Structural Engineering, Geoscience and Engineering, Water Management, Hydraulic Engineering, and Geoscience and Remote Sensing.

The Department of Geoscience and Engineering performs top-level education and research aimed at finding answers to questions related to the current and future use of the Earth's natural resources and its subsurface space. It benefits from an international faculty and student body and is organised in five sections: Applied Geophysics and Petrophysics, Applied Geology, Petroleum Engineering, Geo-Engineering, and Resource Engineering. There is a very high degree of collaboration within and outside the department. The department has a vibrant and intensive teaching programme structured in a three-year English-language BSc followed by a two-year MSc. Blended forms of teaching, including a digital environment and e-learning, are of strategic importance in the university's ambitions.

Engineering Geology is a cornerstone of the BSc programme, bridging the gap between Geology and Engineering. It links geology, mechanics, applied geophysics and petrophysics, geotechnology, hydraulic engineering, geotechnical engineering and resource engineering. Engineering Geology is a significant part of the MSc track in Geo-Engineering. Research in Engineering Geology is embedded within the Geo-Engineering section, where there are four themes: Soil Mechanics, Geo-Environmental Engineering, Dykes and Embankments, and Subsurface Engineering. There is a strong focus on the shallow subsurface. The main aim is to develop engineering approaches to improve the behaviour of, and construction in and on, soft soils in the context of subsidence, flood safety, underground engineering, natural hazards, and so on. The research is closely linked with research in other sections in the department and the faculty.

Job description

As an Assistant/Associate Professor at TU Delft, you are expected to allocate about 40% of your time to teaching, 40% to research and 20% to other tasks. The candidate is expected to coordinate and teach BSc- and MSc-level courses on Engineering Geology in the context of georesources and geo-technical engineering, including the geotechnical fieldwork course and courses related to site characterisation and soil behaviour. The teaching style at TU Delft is focused on inspiring the students, and we expect all teachers

to continuously develop their teaching skills. The candidate is expected to have or obtain a University Teaching Qualification (UTQ). A continuous transition to blended and on-line learning modes is taking place, and the candidate is expected to have a leading role in this transition.
The candidate will develop his/her own research line within the larger context of the Geo-Engineering section and the Geoscience and Engineering department. The research line should seek to develop strong links between the research themes within the section and department, including geo-environmental research, dykes and embankments, sedimentology and shallow depth geophysics. Close collaboration with industry partners and research institutes is expected.
A Tenure Track, a process leading up to a permanent appointment with the prospect of becoming an Associate or full Professor, offers young, talented academics a clear and attractive career path. During the Tenure Track, you will have the opportunity to develop into an internationally acknowledged and recognised academic. We offer a structured career and personal development programme designed to offer individual academics as much support as possible. For more information, please visit www.tudelft.nl/tenuretrack.

Requirements

Applicants must have a PhD from a reputable university. The candidates should have a research portfolio on solving Engineering Geology challenges in the shallow subsurface. Evidence of teaching excellence and a passion for teaching and didactic innovation are required. Experience in a relevant industry is of high value but not required.

Conditions of employment

A tenure-track position is offered for six years. Based on performance indicators agreed upon at the start of the appointment, a decision will be made by the fifth year whether to offer you a permanent faculty position.
TU Delft offers a customisable compensation package, a discount for health insurance and sport memberships, and a monthly work costs contribution. Flexible work schedules can be arranged. An International Children's Centre offers childcare and an international primary school. Dual Career Services offers support to accompanying partners. Salary and benefits are in accordance with the Collective Labour Agreement for Dutch Universities.
TU Delft sets specific standards for the English competency of the teaching staff. TU Delft offers training to improve English competency.
Inspiring, excellent education is our central aim. If you have less than five years of experience and do not yet have your teaching certificate, we allow you up to three years to obtain this.

Information and application

For more information about this position, please contact Prof. M.A. Hicks, phone: +31 (0)15-2787433, e-mail: M.A.Hicks@tudelft.nl. To apply, please send a letter of application along with a curriculum vitae or resume, and a personal research and teaching statement (max. 3 pages), as well as a list of publications, electronic copies of three key publications, and the names and contact information of at least two referees. Please address your application to Prof. Hicks and e-mail it by 8 November 2016 to HR advisor D. Verbunt via Recruitment-CiTG@tudelft.nl.
When applying for this position, please refer to vacancy number CITG16-40.