

ASSISTANT PROFESSOR IN HYDRAULIC ENGINEERING (1 FTE)

Job specification In our team we have a vacancy for an assistant professor who is specialised in Hydraulic Engineering. In particular, we expect that he/she is specialised in so-called soft engineering, i.e. developing solutions for water engineering problems along building-with-nature approaches, such as the sand engine, room for the river interventions, etc. The candidate will be able to couple engineering solutions with knowledge of the physical system. Also, we expect that the candidate can ensure the link with hard structures (i.e. dikes). We expect that this person will be the contact person for hydraulic computation software packages such as SOBEK, Waqua and Delft3D. Due to the composition of our team, we have a preference for a person having an engineering background (with experience in or affinity with designing solutions for water engineering problems), preferably in a fluvial environment.

Teaching: The new assistant professor will take his/her part in the teaching tasks of our group. At start, we think of the following combination: responsible for Matlab computer classes as part of the module on Watermanagement in the bachelor, principal lecturer of the MSc course Hydraulic Engineering, involved in the design project in the master, and guiding BSc-final projects and MSc-final projects. If the candidate is not qualified for teaching at universities yet, we will provide a program to get this qualification within 2 years (University Teaching Qualification, UTQ).

Research: We look for an independent researcher who is able to identify the academic questions in practical applications and vice versa, to translate academic research results into engineering practice. He/she is able to attract external funding (2nd /3rd money stream) for junior researchers (PDEng, PhD and PD positions). Also, he/she will be the daily supervisor of these junior researchers. Next, he/she will be able to publish papers in international refereed journals and he/she can also coach junior researchers in doing so.

General: state-of-the art knowledge of hydraulic programs as SOBEK, Waqua, Delft3D. Person who is willing to work in a team of academics who feels committed to teaching students (in the BSc- and MSc-programmes on Civil Engineering and Management) and to supervising junior researchers and is capable and willing to keep close contacts with consultants, knowledge institutes and the government (both national as well as international) on recent developments.

Start: asap after July 1st 2014

Your Profile •PhD in Hydraulic Engineering, or related discipline with a strong affiliation to Hydraulic Engineering •Experience in, or affinity with, designing solutions for water engineering problems •Good publication record •Proven capability in attracting external research money •Good teaching skills, willingness to take the UTQ •Good coaching skills (BSc, MSc and PhD students) •Team player •Good communication skills (Dutch and English)

Information and application For questions you can contact Prof.dr. Suzanne J.M.H. Hulscher, chairholder of Water Engineering & Management, Marine and Fluvial Systems, tel: (+31) (0)53-4894256 or by email s.j.m.h.hulscher@utwente.nl

Your application consists of a motivation letter, CV including full publication list and two references.

Please send your application, by using the application link below, before May 18th, 2014.

Our offer We offer a very challenging full-time position in an enthusiastic team. The successful candidate will be initially employed for a period of 2 year, which will be extended and become tenured after a positive evaluation. In accordance with the Collective Labour Agreement (CAO) for Dutch Universities, the gross monthly salary will range from € 2.919,- to € 5.070,- and will depend on experience and qualifications.

<http://www.utwente.nl/vacatures/en/>