

# Asst./Assoc. Professor of Sedimentary Systems

**Engels -- Faculty/department** Civil Engineering and Geosciences

**Level** PhD degree

**Maximum employment** 38 hours per week (1 FTE)

**Duration of contract** Tenure track or tenured

**Salary scale** €3259 to €6039 per month gross

## Civil Engineering and Geosciences

The Faculty of Civil Engineering and Geosciences provides leading, international research and education. Innovation and sustainability are central themes. Research addresses societal issues. Research and education are closely interwoven. 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 Faculty of Civil Engineering and Geosciences of Delft University of Technology invites applications and nominations for a faculty position in Sedimentary Systems at the Assistant (tenure-track) or Associate (tenured) level. The position is within the Department of Geoscience and Engineering, which performs top-level research and education aimed at finding answers to questions related to current and future use of the Earth's natural resources and its subsurface space. Delft University of Technology is an international leader in innovative scientific research.

The Applied Geology Section within the Department benefits from an international faculty and student body. Research is supported by a variety of industrial and government programmes. Strengths of the programme include research in process-based modelling of sedimentary systems, novel methods in reservoir modelling that include geologically-guided full-waveform inversion of seismic data and the use of new geophysical logging tools. In addition, the group performs substantial work on outcrops used as analogues for heterogeneous subsurface reservoirs.

## Job description

For this position, we are looking for candidates with experience and interest in one or more of the following research areas:

- Process-based numerical models of sedimentary systems
- Laboratory experiments of sedimentary systems
- Quantative characterisation of reservoir-analogue outcrops
- Source-to-sink studies
- Geophysical and petrophysical methods for improved sedimentary characterisation.

The successful applicant will supervise research and teach undergraduate and graduate classes and field courses related to the aforementioned topics, and will be expected to acquire external research funding to conduct innovative research. Close cooperation with other members of the scientific staff of the section, the department (petroleum engineers, geophysicists and other geoscientists), and wider university is essential.

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 about the Tenure Track and the personal development programme, please visit [www.tudelft.nl/tenuretrack](http://www.tudelft.nl/tenuretrack).

### **Requirements**

Applicants must have a PhD from a reputable university. They should have a strong publication record in high-quality refereed journals, demonstrating their experimental, analytical or computational research. Experience in the oil and gas industry would be welcome but is not required. Evidence of teaching excellence is highly desired. TU Delft strives to increase the number of women on its staff; women are therefore especially encouraged to apply.

### **Conditions of employment**

This position may be offered as a tenure-track position for a period of five years. Based on performance indicators agreed upon at the start of the appointment, a decision will be made in the final year whether to offer you a permanent faculty position.

TU Delft offers an attractive benefits package, including a flexible work week, free high-speed Internet access from home (with a contract of two years or longer), and the option of assembling a customised compensation and benefits package (the 'IKA'). 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 have not yet obtained your teaching certificate, we allow you up to three years to complete this.

### **Information and application**

For more information about this position, please contact Prof. S. M. Luthi, phone: +31 (0)15-2786019, e-mail: [s.m.luthi@tudelft.nl](mailto:s.m.luthi@tudelft.nl). To apply, please e-mail the following materials: a curriculum vitae, including list of publications, the names and contact details of three professional referees, copies of three significant publications, a personal research statement, and a personal teaching statement by 24 August 2014 to D. Verbunt, Recruitment-CiTG@tudelft.nl.

When applying for this position, please refer to vacancy number CITG14-25.