



# PhD Positions in Geotechnical Engineering at the EPFL, Lausanne, Switzerland

## THE LABORATORY OF SOIL MECHANICS AT THE EPFL

The Laboratory of Soil Mechanics (LMS) is one of the laboratories within the School of Architecture, Civil and Environmental Engineering (ENAC) of the Swiss Federal Institute of Technology, Lausanne (EPFL). The LMS focuses its research activities in the field of geotechnical engineering with a focus on the protection from geohazards and industrial damage to the environment, landforms and structures. In addition to the conventional topics such as soil-structure interactions, slope stability and foundation design, our experimental and modelling resources are mobilised to understand, describe and predict the environmental impact of the technologies of future days (bio-improved soils, nuclear waste disposal, CO<sub>2</sub> geological sequestration, and energy technologies related to heat storage and extraction). The LMS is directed by Prof. Lyesse Laloui and has 2 academic staff members, 4 Post-docs, 14 PhD students. More information about the LMS and its current research can be found at <http://lms.epfl.ch/en>.

## AVAILABLE POSITIONS

4 positions in the field of geotechnical engineering : PhD candidates will carry out researches on one of LMS investigation fields: Energy geostructures, bio-improved soils, landslide analysis, soil-structure interaction, behavior of shales, nuclear waste storage and CO<sub>2</sub> storage. These topics involve geotechnical modeling as well as experimental testing of geomaterials. The field of research will be chosen in order to fulfill the PhD candidates wishes and skills.

## REQUIREMENTS

A recent Ms degree in Civil Engineering is required. Specialization in geotechnical engineering is highly advantageous. Suitable candidates have scientific research skill, outstanding communication skills and a teamwork attitude. First candidate selection will be performed on the basis of the excellence of the CV. Selected candidates will be then invited for an interview at the EPFL.

## CONDITIONS OF EMPLOYMENT

We are offering excellent facilities and competitive salary (55'000 CHF/year). The EPFL offers an outstanding international working environment along with training and development opportunities. Personal initiative and independent research tasks related with the candidate's interests will be encouraged. Other activities will include interaction with Ms students and participation in teaching.

## APPLICATIONS

The position is open and will start upon agreement. Suitable, highly-motivated candidates should send an electronic application (including a cover letter describing interests and qualifications and a CV, as a single PDF) to [recruitment.lms@epfl.ch](mailto:recruitment.lms@epfl.ch).

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