

## OPENING OF A FULL-TIME FACULTY POSITION

**GEOTECHNICAL ENGINEERING****Brussels School of Engineering****Service: Constructions, Architecture et Urbanisme (BATIr)**

The chair holder is expected to teach courses and carry scientific research in relation with **Geotechnical Engineering**, in the widest sense, and will assume the associated administrative tasks within the Faculty of Engineering Sciences.

➤ Required diploma: Applicants should hold a PhD in Engineering Sciences, Architecture or Town planning.

➤ Required skills:

The applicant should be holder of a **PhD degree in Engineering**. He/she will have demonstrated a significant research background in the field of **Geotechnics, Geomechanics or Engineering Geology**. He/she will demonstrate his/her ability to define and develop research activities through a significant publication record. A background in managing research projects as well as industrial collaborations would be an asset. The successful applicant is expected to initiate independent research programs leading to the development and funding of a research team. A teaching background will be considered as an asset.

The governing language at Université Libre de Bruxelles is French. However, persons who do not speak French as a native language, but who are fluent in English, are also welcome to apply. Because of the teaching context (see below), ability to teach in English within two years is necessary.

Vacance n° 2011/047

Renseignements complémentaires à l'adresse

<http://www.ulb.ac.be/docs/greffe/vacances/academique/index.html>

Closing date for applications 29/02/2012

**Prière d'afficher S.V.P.**

## RESEARCH OBJECTIVES AND RESEARCH CONTEXT

The Université Libre de Bruxelles opens in BATir department a full time position to reinforce research and teaching activities in geotechnics. The research profile “Geotechnical Engineering” is defined here in broad terms in order to allow the University to select the candidate presenting the best scientific potential. Additional competencies in experimental characterizations of soils and rocks could be an asset completing the skills of the actual research team.

The chair holder will develop his/her own research activity (including obtaining research funding) in the Laboratory of GeoMechanics (LGM) with the opportunity to collaborate with the researchers in charge of the following chairs: **Soil Mechanics** (also included in the LGM), **Construction Materials Engineering**, and **Non-linear Mechanics of Structures and Materials**.

He/she will benefit from existing research equipment in the laboratory (which will be enriched by his own activity). In addition to the conventional soil and rock mechanics apparatus (triaxial or oedometric compression systems, loading frames for unconfined compression test, cell for direct shear test, materials for soil and rock identification ...), some advanced devices have been acquired recently: two triaxial systems for rock samples, three triaxial cells for indurated, cemented or stabilized soils and an ultrasonic non-destructive testing device.

## TEACHING OBJECTIVES

The applicant will join the teaching team of BATir. In addition to the courses for which he/she will be responsible (classes, exercises, lab sessions), he/she will contribute to the supervision and evaluation of projects oriented assignments in the Construction and Architecture fields. He/she will also contribute to the definition and supervision of Master’s theses.

The chair holder is committed to sharing and creating knowledge in Geotechnical Engineering, in the widest sense. Initially, the teaching assignments will include, among others, a course of 4 ECTS in relation with **Rock Mechanics, Underground Constructions, and/or Engineering Geology**. The total teaching workload of the chair holder will correspond approximately to 150 hours per year.

A gradual evolution in the teaching workload will be possible depending on the course program changes. Considering the alliance of the Université Libre de Bruxelles with the Vrije Universiteit Brussel through the network Bruface (Brussels Faculties of Engineering) to offer an international master in Civil Engineering, ability to teach in English within two years is necessary.

## APPLICATION PROCEDURE

The application will mandatorily include the following documents

- A CV including main achievements, publication records, and potential teaching activities. A CV written in the style ULB model (<http://www.ulb.ac.be/tools/CV-type.rtf>) must be included.
- A document describing the teaching projects of the applicant (max. 3500 characters)
- A description of the research prospects of the applicant for the coming years (max. 3500 characters)
- A description of the most important publications of the applicant (max. 3500 characters)
- Two recommendation letters from internationally known experts in the field

The application documents will be sent to the Rector of the University (avenue F.D. Roosevelt, 50 – 1050 Brussels, Belgium)

The deadline for the application is set on 29/02/2012.

The applicant will be offered a tenure track position. This position has to be confirmed permanently after due evaluation within 3 to 5 years after hiring.

The position is open until filled and the starting date will be agreed upon depending on the availabilities of the successful candidate, but not later than 01/10/2012.

**ADDITIONAL INFORMATION**

Additional information related to the application and the department can be obtained by contacting Prof. B. François (Tel +32.2.650.27.35, e-mail: [bertrand.francois@ulb.ac.be](mailto:bertrand.francois@ulb.ac.be))

**Closing date for applications 29/02/2012**

**Date of publication of this announcement : 16/11/2011**

**Date at the beginning of hiring : 01/10/2012**

***Renseignements administratifs :***

*n° de vacance : 2011/047*

*Poste au cadre : 11-B-CCO-168 (H) (1.00 ETP)*

*Références C.A. : CA 14.11.11/IV.1.1*