

UNIVERSITY OF LIEGE

Call for a Tenure-track position in Concrete Structures

Faculty of Applied Sciences

A full-time tenure track, one and indivisible, pertaining to the Department of Architecture, Geology, Environment & Constructions, in the field of **Concrete Structures**, including some teaching activities, the development of research in this field, as well as the contribution to the smooth functioning of the Institution. This tenure track position is aimed at candidates whom, by means of their scientific expertise, may demonstrate an international-wide research in the considered field.

Research :

The general research topic is the design of concrete structures. Among others, the specific matters covered by the candidates could be one or several of the following:

- Innovative design procedures and methods, specific to concrete structures, and development of appropriate analysis tools ;
- Experimental or numerical characterization of the structural behavior of concrete;
- Maintenance, rehabilitation, retrofitting or reassignment of concrete structures and buildings;
- Life expectation and safety of concrete structures;
- Integration of the sustainable development in the design process ;
- Identification of the mechanical behavior of concrete.

The considered kind of concrete could be, for example, reinforced or pre-stressed concrete, high performance concrete, self-leveling concrete, reactive powder concrete, fiber reinforced concrete, aged concrete...

Teaching:

The tenured academic will participate in the teaching duties of the ArGenCo Department in the field of reinforced and pre-stressed concrete, but also more generally in the field of structures or construction materials, including the follow-up of projects.

Citizenship :

The tenured academic will participate in the activities of the Faculty of Applied Sciences, specifically in those of the Department ArGenCo and the Structural Engineering Division (the substructure hosting the teaching and research in concrete structures).

Additional information related to this tenure track is available on the website of the Departement (www.argenco.ulg.ac.be). Possible questions may be addressed to Prof. **Jean-Marc FRANSSSEN** – Phone : +32 4 3669265 – JM.Franssen@ulg.ac.be

Further information can be obtained from the Faculty of Applied Sciences:

Eva ZEIMETZ – Phone. : +32 4 366 94 21 – Eva.Zeimetz@ulg.ac.be

The selected candidate will receive:

- either a fixed term contract, such that the total duration of the term or of the cumulated terms does not exceed five years and at the end of which a definite appointment be foreseen;
- either a definite appointment.

Salary applications are available from the Human Resources Administration of the University:
Ludivine DEPAS – Phone : +32 4 366 52 04 – Ludivine.Depas@ulg.ac.be

Candidates are kindly asked to send the following items, **by registered post**, to Prof. B. Rentier, Rector of the Université de Liège, place du 20 Août, 7, B-4000 LIEGE, as soon as possible and not later than **March 31, 2012** :

- a cover letter stating their motivation for the request including, in duplicate, curriculum vitae and publication list ;
- a short document (3 pages at most), in duplicate, stating the specific orientation they plan to give to their research ;
- one sample copy of their publications.

The candidate who will receive position in Concrete Structures will work in the Department of Architecture, Geology, Environment and Architecture. Different persons in this department working in Civil Engineering have built a worldwide reputation in their field of activity. Maybe have you heard about (or, alternatively, you can Google) Jean-Pierre Jaspard for steel structures, connections and robustness, André Plumier for Seismic design or Jean-Marc Franssen for structural fire engineering, while younger colleagues are members of the team building up their reputation such as Jean-François Demonceau, Vincent Denoël or Hervé Degée. Luc Courard is very active on the material side.

The department has built up strong links with design offices in the region, the most well-known being probably the Bureau d'études Greisch: <http://www.greisch.com/index-en.html>. This guarantees a real link for our teaching and our research projects with real life problems.

The department has a very well equipped structural lab available for experimental research projects that the nominee would like to carry on. A list of clients of the lab can be found on http://www.argenco.ulg.ac.be/ms2f_lab_structures.php.

Salaries for academics in the French speaking community of Belgium.

Note: this document has been built based on the best of our knowledge. It bears no legal obligation

Salaries mentioned here are gross incomes per year in Euros, including a special allocation paid in the summer and one at the end of the year.

Net salaries are paid each month by the University to the employee, which means that a certain amount is taken from the gross salary to:

- 1) Make provisions for the income taxes of the employee;
- 2) Pay for the social security system of the employee. This system covers benefits in case of unemployment (although this will not happen to you because of the permanent character of the position) , plus a pension paid to the employee after he retires.

Basic but serious medical care can be covered in Belgium by individuals at a very reasonable cost.

By and large, the net salary is about 55% of the gross salary, the true figure depending on the total income of the employee, of the income of his eventual partner, and of the situation of the family (number of children).

There are three categories of academics:

- 1) Chargé de cours
- 2) Professeur
- 3) Professeur ordinaire

Nominations are normally in the first category, “chargé de cours”, although some exceptions can be made, depending on the past experience of the nominee.

The entry salary for a “chargé de cours”, at first level, is 58 354^(*) € and an increase of 4 095 € is automatically guaranteed after every period of 3 years, eight times, see table below.

The entry salary for a “professeur”, at first level, is 68 187^(*) € and an increase of 5 850 € is automatically guaranteed after every period of 3 years, six times, see table below.

The entry salary for a “professeur ordinaire”, at first level, is 76 277^(*) € and an increase of 7 930 € is automatically guaranteed after every period of 3 years, five times, see table below.

^(*) The figure is slightly lower during the first year because the special allocation paid in the summer and the one paid at the end of the year depend on the activity of the year before.

The nomination of a new academic is at the entry level or higher depending on his salary in his previous position. Entry at a higher level is automatic if the employee was previously

employed by a Belgian public service or by the Belgian N.F.S.C. It is subjected to approval by the council of the University for others.

Nomination is, formally, for a test period of 5 years. In the vast majority of the cases, the nomination is transformed into a permanent position (tenure track position) after 3 years. If some doubts remain about the implication of the nominee after 3 years, the Faculty may decide to postpone the confirmation for another 2 years in which case, after the period of 5 years, a final decision has to be taken. There is no known case in recent history when the confirmation was not given by our Faculty.

Approximately every two years, each “chargé de cours” or “professeur” of the university can apply to a promotion to the upper category (it is not forbidden to a “Chargé de cours” to apply directly to “Professeur ordinaire”, but the chances of success are limited). The promotions are awarded according to the merits of the candidates, taking into account the number of positions available which is limited. It is not rare that academics reach the category of “Professeur” in their career, while the number of “Professeur ordinaire” is lower.

After each promotion, the salary is adapted, taking in the scale of the awarded category the salary that is immediately superior to the salary before promotion, see Table below.

Belgium has a system of automatic increase of the salaries. The cost of life (in French: *l'index des prix à la consommation* or, in short, *l'index*) is monitored constantly by an official agency and, every time the cost of life has increased by 2%, the salaries are automatically increased by 2%, without any negotiation being necessary. The values given here are valid on January 31th 2012. A 2% increase is likely to occur in February.

An academic, after receiving permission by the Council of the University, may be allowed to give a maximum of 60 hours of courses yearly in other Institutions or to work on his own (legal expertise, consulting...) for a maximum of 104 half days a year, or any combination of both activities.

Year	Chargé de cours	Professeur	Professeur ordinaire
Oct-Dec	53.431	62.508	69.976
1	56.016	65.452	73.215
2	58.354	68.187	76.277
3	58.354	68.187	76.277
4-6	62.449	74.037	84.207
7-9	66.544	79.887	92.137
10-12	70.639	85.737	100.067
13-15	74.734	91.587	107.997
16-18	78.829	97.437	115.927
19-21	82.924	103.287	
22-24	87.019		
25-27	91.114		

Carreer of somebody entering in the category "chargé de cours" at level 1 on October 1rst
Assuming he gets a promotion to "Professeur" after 10 years
and a promotion to "Professeur ordinaire" after another 10 years

Year			
Oct-Dec	53.431		
1	56.016		
2	58.354		
3	58.354		
4	62.449		
5	62.449		
6	62.449		
7	66.544		
8	66.544		
9	66.544		
10	70.639		
11		74.037	
12		74.037	
13		79.887	
14		79.887	
15		79.887	
16		85.737	
17		85.737	
18		85.737	
19		91.587	
20		91.587	
21			92.137
22			100.067
23			100.067
24			100.067
25			107.997
26			107.997
27			107.997
28			115.927
29			115.927
30			115.927
31			115.927
32			115.927