Part-time academic vacancy in the field of Bridge Design and Construction

Start date: 1 September 2021

Description of the course load:

Part-time (5%) indivisible post in the field of Bridge Design and Construction within the Department of Architecture, Geology, Environment and Construction (ArGEnCo). This post includes teaching, research and services to the Community.

Work environment

The successful applicant will work within the Department of Architecture, Geology, Environment and Construction (ArGEnCo) in the Faculty of Applied Sciences.

The ArGEnCo department and the associated Urban and Environmental Engineering Research Unit provide the ideal framework for developing a multidisciplinary approach to teaching and research, with an international angle, on all social issues related to civil engineering and the management of the natural and built environment.

A detailed description of the department and its activities can be found at www.uee.uliege.be.

Teaching activities:

The main objective of this post is to contribute to training students in the field of the design, sizing and construction of walkways and bridges through the following courses:

GCIV0642 - Design and Construction of Bridges. Compulsory course in the “Civil Engineering” speciality of the Master’s in Civil Engineering of Constructions (40h Th., 40h Proj., Block 2 - 3 credits).

The course is given in English.

Teaching will be deeply rooted in the professional practice of the successful applicant. They will bring their skills and expertise in:

- Knowledge of types of bridges and the materials used to design and calculate them;
- Knowledge of the current limits of each type of bridge according to the material used (steel, concrete, mixed, wood) and stresses (including their dynamic effects);
- The calculation of static and hyperstatic structures, including supporting and connecting structures;
- Expertise in construction techniques and materials, including structural calculations during the construction phases;
- Design and calculation of construction details, including expansion joints, drainage and water evacuation systems;
- Maintenance and servicing operations.

Depending on their particular skills, the successful applicant will also be invited to take part in other courses, alongside joint post-holders, potentially in the PRCO0001 - Integrated Project course,
organised in the form of a project and intended for students in the Master’s in Civil Engineering of Construction (Block 2 - compulsory for the specialisation in Civil Engineering).

They will also be able to contribute to the supervision of theses relating to their specialist area.

**Research activities and services to the Community:**

Depending on the successful applicant’s choices and the opportunities available, participation in research activities, doctoral supervision and the organisation of placements is encouraged.

**Qualifications required / profile:**

- Expertise and extensive professional experience in the relevant field;
- Ability to teach in English;
- Research experience in an academic environment is an advantage.

**Selection procedure:**

Applications will be subject to a pre-selection on the basis of a dossier by a selection commission created by the Faculty of Applied Sciences. Successful candidates will then be invited to an interview including the presentation of a model lesson and a discussion with the members of the committee.

**Applications:**

Applicants are requested to submit their applications electronically, to the following address: [Postesacademiques@uliege.be](mailto:Postesacademiques@uliege.be) with a copy to Ms. Aurélie Lecca - [Auranie.Lec@uliege.be](mailto:Auranie.Lec@uliege.be) by 15 February 2021 at the latest.

**Required documents:**

- A letter of application;
- A complete curriculum vitae;
- A teaching plan presenting the way in which the candidate intends to transmit their professional expertise and experience in their teaching and highlighting the opportunities for developing collaborations between the academic and industrial worlds provided by the applicant.

**Conditions of recruitment:**

The post will be appointed for an initial renewable period of three years.

Our institutional policy is based on diversity and equal opportunities. We select candidates according to their qualities whatever their age, sexual orientation, origin, beliefs, disability or nationality.

**Information:**

Further information can be obtained from the Head of the Department, Mr Luc Courard - +32 4 366 93 50 – [Luc.Courard@uliege.be](mailto:Luc.Courard@uliege.be) or from the Faculty of Applied Sciences, Ms Aurélie Lecca – tel.: +32 4 366 94 68 – [Auranie.Lecc@uliege.be](mailto:Auranie.Lecc@uliege.be)

**Salary:**

Salary scales and how they are applied are available from the human resources department of the University: Ms Ludivine Depas – tel.: +32 4 366 52 04 – [Ludivine.Depas@uliege.be](mailto:Ludivine.Depas@uliege.be)