PART-TIME ACADEMIC POST
FACULTY OF ARCHITECTURE
FIELD: TECHNICAL BUILDING NETWORKS AND SYSTEMS: A PERFORMANCE-BASED APPROACH TO CONSTRUCTION AND RENOVATION
START DATE: 01/09/2024

The University of Liège is the biggest French-speaking public university in Belgium. It has more than 5,700 members of staff in four campuses, including 3,600 teachers and active researchers in all fields of the human and social sciences, science and technology, and health sciences. It hosts nearly 27,000 students of 123 different nationalities in one of the most multicultural and dynamic cities in Europe, less than an hour from Brussels and Cologne, two hours from Paris and three hours from London and Amsterdam.

Actively involved in the social and environmental transition, ULiège supports students in their roles as responsible citizens (training in sustainable development, Green Office, etc.) and promotes ethical, multidisciplinary and open research. ULiège is committed to the region in which it operates and contributes towards its socio-economic development. It has developed numerous partnerships, notably with the CHU de Liège. International and united, it participates in the European University of Post-Industrial Cities, UNIC initiative and has one of the most extensive collaborative networks in the world.

ULiège offers attractive career prospects in a high-quality working environment, promoting well-being, diversity and equality of opportunity. Since 2011, it has been proud to hold the European label Human resources strategy for researchers (HRS4R) which reflects its commitment to open, transparent and merit-based procedures. In addition, it recognises the quality and diversity of research in line with the recommendations of the Coalition for Advancing Research Assessment (CoARA). ULiège encourages the internationalisation of its academic staff and facilitates the arrival of international researchers through its EURAXESS centre.

JOB DESCRIPTION

A part-time (20%) indivisible position in the field of technical building networks and systems, and adopting a performance-based approach to construction and renovation within the Department of Architecture. Given the level of commitment, this workload mainly involves teaching activities, which will be supplemented by some research and community service activities.

TEACHING ACTIVITIES

The ULiège Faculty of Architecture aims to develop, in its teaching and research, a performance-based approach to architectural design, both in new construction and renovation. This approach revolves around the study of a high-performance envelope (insulation, water and air tightness, resolving constructional issues) as well as the choice, energy efficiency, architectural integration and regulation of technical networks and systems in addition to passive strategies and based on data specific to a given environment.

This post will be used to reinforce the teaching of the Science and Technology course and to make occasional contributions to other courses and project workshops dealing with networks and technical systems. It will involve supporting students to develop sufficient knowledge of these different networks and technical systems (composition, sizing, integration into the context and the project),
The technical possibilities, strengths and weaknesses, as well as methods and approaches for designing and integrating into the available project so that they can (1) grasp the complexity of these systems and thus develop a critical awareness of the possible choices of these systems in their design and theoretical considerations; and (2) establish, in their future professional practice a dialogue and critical discussion with design offices and other professionals involved in these fields.

For information purposes, and not as an exhaustive list, the following are the subjects to be covered in the courses according to the current way in which Science and Technology teaching is organised:

- **Bachelor’s programme: Fluids and networks integrated into buildings:** types and size of networks (drainage, heating, ventilation, electricity), installation of these networks in the building using a series of layers and hoppers, normative and regulatory aspects;

- **Master’s programme: Technical systems integrated into buildings (new designs and renovation):** design, selection, pre-sizing and integration of technical systems (drainage, electricity, heating, ventilation, renewable energy production) into the architectural project.

The post-holder will participate on an ad hoc basis in certain Master’s workshops and in the supervision of final projects in the field of Science and Technology, within an overall course load limit of approximately 2 ECTS.

**RESEARCH ACTIVITIES**

The new academic will develop very limited research (given the volume of the post) or will provide ad hoc support to research projects in the field of technical systems.

**SERVICES TO THE COMMUNITY**

The new academic will take part, in a capacity proportionate to the time available, in faculty life and in representing the faculty at certain events to promote studies.

**QUALIFICATIONS REQUIRED / PROFILE**

- Hold a degree in architecture, civil engineering (architect/construction/electromechanical engineer), industrial engineering (building sector) or any other equivalent degree demonstrating the required skills.
- Demonstrate teaching and/or training activities in the relevant field.
- Demonstrate professional experience, at different scales of architectural project, in the relevant field (studies, dimensioning, implementation on site).
- Demonstrate a knowledge of contemporary architectural practices using different technical systems, including the production of renewable energy.
- Demonstrate knowledge of standards and regulatory systems relating to networks and technical systems, as well as pre-sizing tools that can potentially be used by students.
- Demonstrate the ability to take a critical look at technical systems used in architecture and construction today, adopting a low-tech and frugal approach.
- Demonstrate their capacity to be part of a community of practice in teaching and faculty research, so as to support and enrich existing approaches within the Faculty.
- Demonstrate the ability to teach within a team both in theory classes and in architectural project workshops.
- Demonstrate an openness to inter- and trans-disciplinary research, particularly in the field of socio-technology.
- Be able to teach in French.
- Must be able to teach in English in the context of teaching and research activities experience is an advantage.
- A doctoral thesis would be an advantage.
SELECTION PROCEDURE

Candidates will be short-listed on the basis of an analysis of their application and possibly an interview, during which they will be asked to put themselves in a teaching situation. Candidates will be informed of the interview arrangements at least one week before the interview, which will take place in person on the university premises.

Our institutional policy is based on diversity and equality of opportunity. We select candidates on the basis of their qualities regardless of age, sexual orientation, origin, beliefs, disability or nationality.

APPLICATIONS

Applications should be made using the online form available on the following website: https://my.uliege.be/portail/go_xt.do?area=0%7C11004%7C0%7C571116 no later than 03/03/2024 (before midnight Belgian time). Late applications may be refused.

DOCUMENTS REQUIRED:

- Cover letter.
- Curriculum vitae download model [HERE].
- A list of buildings on which the candidate has worked, highlighting the technical systems (and the issues relating to these systems) and/or a list of research projects closely related to the relevant field.
- A description of the teaching and/or training courses given over the past five years, relating to the relevant field.

RECRUITMENT CONDITIONS

The post-holder will be appointed either for a fixed term of four years, or definitively.

If the post is granted for a fixed term, an evaluation will take place during the third year.

- If this evaluation is negative, the appointment will end after the four-year period.
- If the assessment is positive, the person concerned shall be appointed on a permanent basis.

INFORMATION

Further information about the content of the post can be obtained from Ms Sophie TRACHTE - Sophie.Trachte@uliege.be

Additional information may be obtained from Mr Pierre HALLOT, Dean of the Faculty of Architecture – doyen.archi@uliege.be

REMUNERATION:

Salary scales and how they are applied are available from the human resources department of the University: Ms Ludivine DEPAS – tel.: +32 (0)4 366 52 04 – Ludivine.Depas@uliege.be

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