FULL-TIME ACADEMIC POSITION
FACULTY OF APPLIED SCIENCES
FIELD: “AEROELASTICITY AND EXPERIMENTAL AERODYNAMICS”
START DATE: 01/09/2024

The University of Liège is the biggest French-speaking public university in Belgium. It employs more than 5,700 staff members across four campuses, including 3,600 active teachers and researchers in all fields of the human and social sciences, science and technology, and health sciences. In 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 to fulfill 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 local socio-economic development. It has developed numerous partnerships, notably with the university hospital. 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, ULiège has been proud to display the European Human resources strategy for researchers (HRS4R) label, which reflects its commitment to open, transparent and merit-based procedures. In addition, it recognizes the quality and diversity of research in line with the recommendations of the Coalition for Advancing Research Assessment (CoARA). ULiège encourages its academic staff to travel internationally and welcomes international researchers through its EURAXESS centre.

JOB DESCRIPTION

A full-time academic position, indivisible position, in the field of “Aeroelasticity and experimental aerodynamics” within the Department of Aerospace & Mechanical Engineering (A&M) of the Faculty of Applied Sciences. This position includes teaching and research activities as well as services to the community.

TEACHING ACTIVITIES

As an example, the skills of the future teacher (M/F/X) could naturally and usefully be expressed in the following courses of the Master in Aerospace Engineering:

- APRI0004 Aeronautics design project (10 ECTS),
- AERO0032 Aeroelasticity and experimental aerodynamics (5 ECTS).

Depending on his/her skills, he/she may also be required to contribute to one or several courses of the Faculty of Applied Sciences such as:

- AERO0001 Aerodynamics (5 ECTS),
- ENRG0002 Wind energy (5 ECTS),
- AERO0033 Aerothermodynamics of high-speed flows (5 ECTS),
- AERO0003 Flight dynamics and control (5 ECTS).
Candidates may also propose to develop specific teaching(s) exploiting synergies with his/her specific research.

He/She will also participate in the supervision of internships and graduate work in his/her field of research.

The teaching load may not exceed 250 hours per year (including practical work and seminars).

**RESEARCH ACTIVITIES**

The successful candidate (M/F/X) will develop research in the field of "Aeroelasticity and experimental aerodynamics" and supervise doctoral research work in this field. The activities will combine modelling tools and experimental approaches and may rely on experiments carried out in the wind tunnel of the A&M Department:

- Development of innovative modelling techniques for fluid-structure interactions,
- Integration of experimental data with modelling approaches to enhance aerodynamic analyses,
- Development of aerodynamic optimisation methods based on simplified models,
- Applications to the design of innovative wings or aircrafts and collaboration with the aeronautics industry and other partners in the field.

**SERVICES TO THE COMMUNITY**

Candidate will participate in service activities to ensure the outreach of the activities developed within the A&M department. He/She will:

- Ensure the valorization of his/her work within research networks, companies and public institutions active in his/her field of expertise,
- Contribute to the smooth running of the Department, the Faculty of Applied Sciences and the University of Liège through its various bodies.

**QUALIFICATIONS REQUIRED / PROFILE**

- Hold a PhD with thesis in a field directly related to the expected research activities;
- Have international research experience and publications in established journals;
- Be able to teach in English.

**SELECTION PROCEDURE**

Applications will be pre-selected on the basis of the candidate’s file by a selection committee created by the Faculty of Applied Sciences. Successful candidates will then be invited to an audition that will include a sample lesson, a presentation of their research project and a general discussion with the selection committee.

In line with the University of Liège's institutional policy of diversity and equal opportunity, applicants are selected on the basis of their qualities, regardless of age, sexual orientation, origin, beliefs, disability or nationality.

**APPLICATIONS**

To be eligible, applications must be submitted via the online form available on the website [https://my.uliege.be/portail/go_xt.do?a=o%7C11004%7Ce%7C568699](https://my.uliege.be/portail/go_xt.do?a=o%7C11004%7Ce%7C568699) Complete applications must be submitted no later than 15/02/2024 (before midnight Belgian time). Late applications may be refused.
DOCUMENTS REQUIRED

The following documents, written in French or English, must be provided in electronic format (pdf) in support of the application:

- Motivation letter
- Curriculum vitae
- A copy of diplomas and certificates
- A list of the 5 main publications and a description of their contribution to the state of the art;
- A report on previous and current research activities, as well as a research project, including the envisaged insertion within the University of Liege;
- A teaching dossier including a report on any previous teaching activities and a teaching project;

CONDITIONS OF EMPLOYMENT

The position is awarded either for a fixed term of four years, or immediately on a permanent basis.

If a fixed term contract is awarded, an evaluation will be carried out at the end of the third year. If the evaluation is negative, the appointment will be terminated at the end of the four-year period. If the evaluation is positive, the appointment becomes permanent.

INFORMATION

A detailed description of the academic position and work environment is available on the faculty website

Any information concerning academic activities can be obtained from the Professor Olivier BRULS – Phone: +32 (0)4 366 91 84 – O.Bruuls@uliege.be

Additional information may be obtained from: Ms Aurélie LECCA, Administrative Director of the Faculty of Applied Sciences – Phone: +32 (0)4 366 94 68 – Aurelie.Lecca@uliege.be

REMUNERATION

The salary grids and their rules of application are available from the Human Resources department of the University: Ms Ludivine DEPAS – Phone: +32 (0)4 366 52 04 – Ludivine.Depas@uliege.be

Date of publication : 20/12/2023