

**FULL-TIME RESEARCH AND TEACHING ASSISTANT POSITION**

**IN CIVIL AND MECHANICAL ENGINEERING**

**BRUSSELS SCHOOL OF ENGINEERING**

Reference : 2025/S117

Application deadline: 28/04/2025

Start date : 01/10/2025

## Job Description

The position is open within the BATir department (Building, Architecture and Town planning) at Université libre de Bruxelles (ULB), a unique multidisciplinary and comprehensive engineering department in Belgium of Built Environment, from soils and rocks to materials and structures, from responsible architecture to sustainable urbanism, from engineering to architectural sciences; with modelling, experimental and/or design perspectives.

BATir is offering several educational or training programmes: BSc in Architectural Engineering (in French); the joint BRUFACE MSc in 'Architectural Engineering' and 'Civil Engineering'; the Advanced Master in Transition Urbanism (in French and English); the Master in Urban Studies (in English).

The candidate will be expected to conduct high-quality research, leading to a Ph.D. degree, in the field of computational mechanics for materials and structures and to take part in the Structural and Materials Computational Mechanics Research Group (SMC) of BATir department. The topic of the research will be finalised jointly with the candidate and the supervisor. The major research field targeted is related to the modelling of solid mechanics in the broad sense (mechanics of structures or materials, including possible coupling effects), with applications in the field of civil engineering or mechanical engineering.

The candidate will also take part in educational activities (tutorials, projects, master's thesis) in the Bachelor programme and in Master's programme in civil, mechanical and materials engineering of the Brussels School of Engineering, especially in the field of solid mechanics, mechanics of structures and computational modelling.

## Skills required

Beyond the expected skills and competencies expected from an engineer, the candidate will show research skills, in the field of computational modelling.

Additionally, the candidate will demonstrate:

- Autonomy, reliability
- High motivation in educational and research activities
- Ability to work in multidisciplinary teams
- C1 level in French and B2 level in English are required (C1 level in English will be appreciated)

- Innovative and creative thinking is a must

## Courses covered

The teaching workload will be regularly revised and contain tutorials, projects, and supervision of master thesis related to some of the following modules:

- CNST-H-2001 Mécanique des Solides et des Structures (in French)
- MECA-H-3705 Mécanique des Solides et des Structures (Charleroi) (in French)
- CNST-H-303 Analyse des structures (in French)
- MECA-H-303 Cinématique et Dynamique des Machines (in French)
- CNST-H-421 Structural Analysis and Finite Elements (in English)
- CNST-H-418 Nonlinear Modelling of Materials and Structures (in English)
- CNST-H-530 Integrated Structural Design (in English)
- PROJ-H-418 Hands on Learning: Project Leader (Chef de projet) (in French)
- TRAN-H-201 Projet multidisciplinaire II et gestion de projet (in French)
- Master's thesis in civil or mechanical engineering (in English)

## Interested ?

For more information, please contact Mr Pierre GERARD (telephone: +32 2 6503520 – E-mail: [gerard.pierre@ulb.be](mailto:gerard.pierre@ulb.be)).

Your application will consist of a Curriculum Vitae (*if you wish, a standard CV can be downloaded from the website: <https://www.ulb.be/fr/documents-officiels/emplois-academiques-et-scientifiques-cv-type>*) and a document completed using the template available at this URL address <https://www.ulb.be/fr/documents-officiels/4e-applic-form-assistant-docx>.

This template structures your application by including the following elements:

- an application letter
- a note on the applicant's PhD research project (4 pages)
- two letters of reference

Incomplete applications or applications that do not use the template provided will not be examined by the selection committee.

## Where to go to apply?

Click here: <https://jobs.ulb.be/job-invite/1593/?isInternalUser=true>

For any connection problems or questions about our application, consult our FAQ : [e-recrut-mode-d-emploi-candidat-en-1734942996246-pdf](#)

## Equal opportunities policy

ULB's personnel management policy is geared towards diversity and equal opportunities.

We recruit candidates on the basis of their skills, irrespective of age, gender, sexual orientation, origin, nationality, beliefs, disability, etc.

Would you like to be provided with reasonable accommodation in the selection procedure because of a disability, disorder, or illness? Please contact Marie Botty, the person in charge of diversity aspects for the academic and scientific staff ([marie.botty@ulb.be](mailto:marie.botty@ulb.be)). Be assured of the confidentiality of this information.

More details on the ULB gender and diversity policy are available at <https://www.ulb.be/en/about-ulb/gender-equality-at-ulb>.

You will find all the regulations relating to research careers on our site at <http://www.ulb.ac.be/emploi/academique.html>.