

FULL-TIME RESEARCH AND TEACHING ASSISTANT POSITION

IN ELECTRICAL ENGINEERING

ÉCOLE POLYTECHNIQUE DE BRUXELLES

Reference : 2025/S123

Application deadline: 28/04/2025

Start date : 01/10/2025

Job Description

This job of teaching assistant consists of a half-time teaching (for BA and MA students) and a half-time research in the field of Electrical Engineering.

- the teaching part is devoted to mentoring students in exercises, labs, projects, internships and master theses
- the second half is devoted to a PhD Thesis (on a subject to be determined in the research fields of the BEAMS/Electrical Energy Research Unit) under the supervision of a professor of the Department

The courses and research of BEAMS/Electrical Energy are in several fields of electrical engineering (electricity, power systems, electrical drives, power electronics, renewable energies).

Bachelor courses are in taught in French and Master courses are in taught in English.

See also below the links to the concerned study programs and the Google Scholar profiles of the two professors of the Electrical Energy research unit.

<https://polytech.ulb.be/en/studies/masters/msc-in-electromechanical-engineering>

<https://polytech.ulb.be/fr/les-etudes/bacheliers/ingenieur-civil>

https://scholar.google.com/citations?user=mV_VDDsAAAAJ&hl=en

<https://scholar.google.com/citations?user=WQZZuv0AAAAJ&hl=en&oi=ao>

Skills required

- the willingness to invest oneself in teaching activities and the development of pedagogical competences
- the willingness to conduct a PhD research project
- autonomy, reliability and motivation
- ability to work in a multidisciplinary team

- level B2 in French and English
- innovative and creative spirit

Courses covered

- ELEC-H-3001 – Électricité appliquée
- ELEC-H-201 – Électricité et électronique
- ELEC-H-312 – Power electronics
- ELEC-H-413 – Electric power systems I
- ELEC-H-405 – Electrical drives
- ELEC-H-419 – Multi-physics modelling and simulation

And possibly

- ELEC-H-543 – Electric power systems II
- ELEC-H-412 – Design and control of electrical machines
- MECA-H-414 – Renewable energy technology

Interested ?

For more information, please contact Mr. Johan Gyselinck (telephone : +32 2 650.26.69 – email: johan.gyselinck@ulb.be) or Mr. Pierre Henneaux (telephone : +32 2 650.26.62 – email: pierre.henneaux@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/1592/?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). 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>.