

**PART-TIME (50%) RESEARCH AND TEACHING ASSISTANT POSITION**

**IN PHYSICS AND ELECTRONICS**

**SCHOOL OF ENGINEERING**

Reference : 2025/S122

Application deadline: 28/04/2025

Start date : 01/10/2025

## Job Description

The BEAMS (Bio, Electro and Mechanical Systems) department, *Embedded Electronics* research unit, is opening a part-time (50%) Assistant position on 01/10/2025. An Assistant mandate is granted for an initial term of 2 years (renewable after advice from the competent bodies for 2 other periods of 2 years maximum for full-time; or up to 12 years in total for part-time). The objective of the Assistant's mandate being to conduct and finalize a doctoral thesis, the tasks will be equitably distributed between 'Teaching' and 'Research'. These may be re-examined on a regular basis.

Where possible, the research unit will consider in the future the possibility of supplementing this position with another part-time position, to reach full-time.

The 'Teaching' component will be devoted to supporting exercises and laboratories (design and supervision of sessions; design, supervision and correction of exams; etc.) provided by the research unit, with a priority emphasis on BA teaching, in particular: "Physique Générale 1" in BA1, "Electromagnétisme" in BA2, "Electricité et électronique" in BA2 bioengineering, "Electronique Appliquée" in BA3 (BA courses are taught in French). Supervision of projects, internships and master theses may also be part of the 'Teaching' component.

The 'Research' component will be devoted to the completion of a doctoral thesis on a subject to be determined among the research areas of the service, under the supervision of a professor from the service.

BEAMS/Embedded Electronics courses and research cover the fields of electricity, analog and digital electronics, embedded electronics (embedded systems), telecommunications systems and the teaching of electricity and physics (didactics of applied science teaching).

## Skills required

The candidate will be holder of a 120 ECTS Master's degree in Engineering Sciences (electricity, physics, biomedical, electromechanics, etc.) and meet the conditions for access to the doctorate.

Other required skills:

- willingness to get involved in a teaching activity and develop teaching skills
- commitment to do a doctoral thesis
- team spirit, autonomy, maturity and rigor
- writing ability in French and English
- knowledge of languages: level C1 in French, level B2 in English

## Courses covered

The basic courses in the Bachelor's degree are primarily targeted:

- PHYS-H-1001 « Physique Générale 1 » in BA1
- ELEC-H-2001 « Electromagnétisme » in BA2
- ELEC-H-201 « Electricité et électronique » in BA2 bioengineering
- ELEC-H-301 « Electronique Appliquée » in BA3

Depending on their profile, the person hired may be invited to contribute to the supervision of more specialized Bachelor (taught in French) or Master (taught in English) courses.

## Interested ?

For more information, please contact Prof. Frédéric ROBERT ([frederic.robert@ulb.be](mailto:frederic.robert@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/1601/?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>.