I. Job Description

<table>
<thead>
<tr>
<th>Vacancy number</th>
<th>IR/2021/XXX</th>
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<tbody>
<tr>
<td>Job category</td>
<td>BAAP</td>
</tr>
<tr>
<td>Specific terminology</td>
<td>Graduate Teaching Assistant</td>
</tr>
<tr>
<td>Scope of appointment</td>
<td>Full time - 100%</td>
</tr>
<tr>
<td>Faculty</td>
<td>Faculty of Engineering Sciences</td>
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<tr>
<td>Academic Department</td>
<td>Department of Electronics and Informatics (ETRO)</td>
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Company profile

The Vrije Universiteit Brussel has been a leading player in the Flemish Higher Education landscape for 40 years. The University numbers 12,000 students and together with its hospital - UZ Brussel – employs more than 6000 people. The Vrije Universiteit Brussel is the largest Dutch speaking employer in the capital.

Teaching and research at the Vrije Universiteit Brussel are founded on the principle of unfettered inquiry to benefit the progress of mankind. This means rejecting dogmatic positions and guaranteeing the freedom to form opinions without interference; in this way the University aims to ensure the dispersal of the principle of unfettered inquiry throughout society.

The University is autonomous and democratically run. This means guaranteeing the exercise of the fundamental freedoms within the University, as well as the right of the University Community to participate in the decision making process and scrutiny of University policy.

The following form part of the University’s mission:

- the development, the communication and the application of a high level of academic education and scientific research, free from all preconceived ideas;
- the translation of these ideals and knowledge into society in the spirit of social engagement;
- the creation of a society in which everyone is capable of engaging in critical thinking.
## II. Vacancy

<table>
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<tr>
<th>Subject area</th>
<th>Teaching area: Electronics and Informatics</th>
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<tr>
<td>Teaching area/research area</td>
<td>Research area: Robotic Sensing, Embedded AI</td>
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### Terms of reference including main tasks

- **Teaching**
  The graduate teaching assistant (category BAAP) will assist in the organization and guidance of educational tasks of the department of Electronics and Informatics (ETRO). This comprises the guidance of exercises, practical sessions and projects around the following subjects: informatics, electronics and embedded systems. A good background in these domains is of great importance. In addition, good didactical skills are essential, such as being capable of concepts, understanding the learning phases, guidance of personal or group projects, and the coaching of students.

- **Research**
  The candidate will combine these tasks with PhD-research in the domain of robotic sensing and embedded AI, one of the research domains of the group IRIS. Consult www.etrovub.be for more information. In particular, the research will aim at improving the robustness and reliability of autonomous robots by making use of data fusion. The choice of specific topic will be determined together with the candidate and depend on his expertise and interests.

- **Other**
  The candidate will actively participate to the general activities of the ETRO department.

Contact Jan Lemeire (Jan.lemeire@vub.be) for more information.
III. Job profile

Requirements (academic qualifications, academic merits, expertise, knowledge, skills)

- Master in (Applied) Computer Science, Electronics and Informatics or Physics with affinity for electronics and informatics.
- Excellent pedagogical skills.
- Excellent research skills. The candidate will give a demo teaching session for the jury.
- The candidate has an active knowledge of the English language (fluent oral and written communication skills).
- Mastering the Dutch language is recommended. Candidates who are not competent in Dutch must be prepared to improve their Dutch language proficiency to the B2 level.
- The candidate is expected to endorse the educational vision of the university (full text available on the university website).
- Female candidates are particularly encouraged to apply.
- Each first appointment is subject to successfully giving a demo lecture.

IV. Offer

As an employee of the Vrije Universiteit Brussel your days will be spent in a dynamic, diverse and multilingual environment. Both our campuses are set within green oases on the outskirts of the centre of the capital of Flanders, Belgium and Europe. This centre, with all its opportunities, is within your reach by public transport in under half an hour.

Depending on your experience and academic merits you will receive a salary on one of the pay scales laid down by the government. Hospitalisation cover and free use of public transport for travel to and from work are standard conditions of employment. If you would rather cycle to work, compensation is also available for that. Both campuses have extensive sporting facilities which are at your disposal and a nursery is within walking distance.

More information is available at www.vub.ac.be under the heading ‘future employees’.

Additional information

<table>
<thead>
<tr>
<th>Planned starting date</th>
<th>01.10.2021</th>
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<tbody>
<tr>
<td>Length of contract</td>
<td>2 years with possibility for extension with an additional 2 years up to maximally 4 years.</td>
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<tr>
<td>Deadline for application</td>
<td>xxxxxxxxxxxxxxxxxxxxxxxx</td>
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<tr>
<td>Contact person</td>
<td>xxxxxxxxxxxxxxxxxxxxx</td>
</tr>
<tr>
<td>Contact telephone</td>
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<tr>
<td>Contact e-mail</td>
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V. Application

Applications can only be submitted online (via the website of the Vrije Universiteit Brussel)

All applications must at least include the following attachments:
- a brief CV
- comprehensive details of academic portfolio
- teaching & research perception, mentioning the candidate’s five most important publications (for post-docs)
- a concise statement of the reason for applying including explanation about the development of future research
- diplomas