

Vacancy for Academic Staff

I. Job Description

Vacancy number (Faculty/Year/number)	IR/2016/xxx (see Talentfinder)
Specific terminology	Tenure Track Professor
Scope of appointment:	Full time - 100%
Faculty/ Principle Administrative Entity	Faculty of Engineering
Academic Department/Administrative Unit	Hydrology & Hydraulic Engineering (HYDR)

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

Subject area Teaching/research area	Global Hydrological Engineering
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<p>Terms of reference including main tasks</p> <ul style="list-style-type: none"> - Teaching - Research - other 	<p>Teaching: The selected candidate will teach in the framework of the Master Programme Civil Engineering of the Brussels Faculty of Engineering (BRUFACE) and of the Master of Water Resources Engineering of the Interuniversity Programme of Water Resources Engineering (IUPWARE). The teaching subjects relate to surface water hydrology, GIS and remote sensing for water resources engineering.</p> <p>Research: It is generally accepted that the two greatest threats facing human society are global climate change and population growth. These two drivers of global change come together in their impacts on the hydrologic cycle, with climate change affecting the availability of global water resources, as population growth increases the demand. This conjuncture has led to the rise of a new hydrological discipline, lying at the interface between conventional hydrology, geography, plant ecology and climate science. This discipline is often referred to as 'global hydrology'; it conceives hydrological systems as part of the earth's global system, being impacted by anthropogenic climate and land-use changes, as well as influencing a number of hydro-meteorological extremes and land-atmospheric feedbacks. Research within this new field aims at improving our understanding of the interactions between the hydrosphere, biosphere, atmosphere and the anthroposphere with the overarching objective of enhancing our capacity to predict and adapt to ongoing earth's system changes. Considering the importance of these issues, we wish to develop 'global hydrological modelling' as a new core theme in the Department of Hydrology and Hydraulic Engineering, with the goal to actively contribute to the current international and European research agenda.</p> <p>We are looking for an internationally recognized expert in one of the following fields:</p> <ul style="list-style-type: none"> • global hydrological modelling (preferably) • hydrological modelling in an international / development relevant context • impact studies of global change on water resources <p>Candidates should have participated in (preferably: coordinated) international projects in the field of water resources and have an excellent publication record.</p>
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III. Job profile

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

As a formal minimum requirement, applicants must hold a PhD awarded on the basis of an original thesis.

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

Every first appointment is dependent upon the successful delivery of a teaching session.

Members of academic faculty with teaching duties are required to prove their command of the teaching language. E.g.: for teaching in English the candidate provides evidence of proficiency in English at C1 level by submitting a language certificate (or a waiver).

The following chart provides an overview of the language proficiency requirements:

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<u>Language of diploma of Academic faculty</u>	<u>Language in which teaching is to be conducted</u>	<u>Level Proficiency certificate teaching language</u>	<u>Level Proficiency certificate Dutch</u>
Dutch	Dutch	No certificate required	No certificate required
Dutch	Other than Dutch	C1 teaching language	No certificate required
Other than Dutch	Dutch	C1 Dutch	No certificate required
Other than Dutch	Other than Dutch (= language of diploma)	No certificate required	B2 Dutch
Other than Dutch	Other than Dutch (≠ language of diploma)	C1 teaching language	B2 Dutch

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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	
Planned starting date	1/10/2016
Length of contract	5 academic years
Deadline for application	Applications should arrive on Friday 13th of May, 2016 at the latest.
Contact person	Prof. Dr Patrick De Baetselier, Vicerector Research Policy Mrs. Mieke Gijsemans, Head R&D Department Prof. Willy Bauwens, Head Department Hydryologie
Contact telephone	+32 (0)2 629 21 08
Contact e-mail	Rd.secretariaat@vub.ac.be wbauwens@vub.ac.be

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 and research perception, mentioning the candidate's five most important publications (for post-doctoral positions)
- A concise statement of the reason for applying including explanation about the development of future research
- Diplomas