

## UNIVERSITY TEACHER IN INTERNATIONAL WATER AND SANITATION ENGINEERING

Job Ref: REQ181084

**As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.**

The School of Architecture, Building and Civil Engineering is seeking an outstanding colleague dedicated to a full-time teaching and scholarship role on its highly regarded postgraduate degree programmes in International Water and Sanitation Engineering, and International Water and Sanitation Management. These programmes are run within the globally respected Water Engineering and Development Centre (WEDC) within the School, and are delivered on campus and by distance learning. It is likely that the post holder will also contribute to the delivery of our undergraduate civil engineering programmes. This is an exciting opportunity for you to help us consolidate and grow our market-leading programmes. Formulating project briefs and module content will require knowledge of the substantive content, underpinning methodologies, as well as assessment procedures and good practice. The post holder will work closely with Academic and Technical staff to develop a high quality pedagogy that ensures the programmes are to a high standard.

We are looking for a professionally qualified civil or environmental engineer with hands-on practical experience of working on water and sanitation engineering in low and middle-income countries. Applicants with additional experience or knowledge in one or more of the following areas are particularly encouraged to apply: water quality; remote sensing; solar technology; GIS; and or climate science.

The successful appointee will join the School's growing water engineering research group, the members of which have a wide range of interests that include: water and sanitation engineering in low and middle-income countries; catchment hydrology; hydraulics and hydrodynamics (spanning flood modelling and turbulence).

### Job Description

**Job Grade:** Specialist and Supporting Academic (Teaching) Grade 7

#### Job Purpose

To contribute to and enhance the teaching and enterprise activities of the School of Architecture, Building and Civil Engineering in the area of international water and sanitation engineering.

#### Job Duties

##### *Teaching*

- To work with colleagues in the School to deliver an exceptional learning environment for students.
- To teach and inspire primarily postgraduate campus-based and distance-learning students, and to conduct associated assessments.

- To provide academic and pastoral support to primarily postgraduate campus-based and distance-learning students.
- To promote the use of a range of innovative methods and techniques in teaching, learning and assessment.
- To engage in the evaluation and development of modules for which you have responsibility, in terms of content, delivery and assessment.
- To be responsible for the design and content of specific areas of teaching and learning within the School's postgraduate campus based and distance learning programmes.
- To cooperate with colleagues in the continuous review and development of the School's taught programmes and the curriculum.

### ***Enterprise***

- To engage with business, public and voluntary organisations through knowledge exchange activities such as student projects and placements, technology transfer collaboration, short courses and consultancy.
- To create social, cultural and economic impacts from academic activity.
- To seek external funding in support of these activities.

### ***Related Activities and Functions***

- To work effectively with relevant administrative, technical and academic staff in the School and across the University.
- To carry out specific administrative roles and functions as may be reasonably required.
- To take part in and, on occasion, act as chair of one or more School committees.
- To engage in training programmes in the University (e.g. through Staff Development and Centre for Academic Practice) which are consistent with your needs and aspirations and those of the School.
- To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.
- To engage fully with the annual Performance and Development Review (PDR) process.

### **Points to Note**

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed.

### **Special Conditions**

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

Successful completion of probation will be dependent on attendance at the University's mandatory courses which include Respecting Diversity and, where appropriate, Recruitment and Selection.

### **Organisational Responsibility**

Reports to the Dean of School.

Dotted line responsibility to Water Group Leader and Civil Engineering Divisional Lead

## Person Specification

Your application will be reviewed against the essential and desirable criteria listed below. Applicants are strongly advised to explicitly state and evidence how they meet each of the essential (and desirable) criteria in their application. Stages of assessment are as follows:

- 1 – Application
- 2 – Test/Assessment Centre/Presentation
- 3 – Interview

### Essential Criteria

Area	Criteria	Stage
<b>Experience</b>	Background in water engineering with specific and current expertise relevant to the role.	1,2,3
	Experience in working in low and middle-income countries.	1,2,3
	Experience of working in a high-quality academic research, industrial, or NGO environment.	1
	Experience of successfully supervising the projects and developing the capacity of students or company staff.	1,3
<b>Skills and Abilities</b>	Ability to teach and supervise campus-based and distance-learning postgraduate students in water engineering.	1,2
	Ability to provide tutorial and pastoral advice to students.	1
	Ability to work independently, within or leading a team.	1,3
	Ability to identify potential social / cultural / economic impacts from professional activity.	2,3
	Excellent communication and interpersonal skills.	2
	Excellent IT skills	1
<b>Training</b>	Commitment to and evidence of continuing professional development.	1,3
	Adopt new procedures as and when required.	1
<b>Qualifications</b>	An outstanding educational profile up to and including first degree and/or Masters in Engineering or a related discipline.	1
<b>Other</b>	Commitment to observing the University's Equal Opportunities policy at all times.	1,3

### Desirable Criteria

Area	Criteria	Stage
<b>Experience</b>	Experience of teaching and assessment at postgraduate level for both campus-based and distance-learning students.	1,3
	Experience of work in, or in collaboration with, business or the third sector.	1
<b>Skills and Abilities</b>	Ability to take part in module and programme development.	3
	Knowledge of the challenges faced in UK HE.	1
<b>Qualifications</b>	Achieved or progressing towards appropriate professional status.	1

## Conditions of Service

This is a full-time, open-ended position. Salary will be on Specialist and Supporting Academic, Grade 7, £40,792 - £48,677 per annum, at a starting salary to be confirmed on offer of appointment. Subject to annual pay award.

The appointment will be subject to the University's normal Terms and Conditions of Employment for Grades 6 and above staff, details of which can be found [here](#).

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at <http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html>.

We also offer an on-campus nursery with subsidised places, subsidised places at local holiday clubs and a childcare voucher scheme (further details are available at: <http://www.lboro.ac.uk/services/hr/a-z/childcare-information---page.html>)

In addition, the University is supportive, wherever possible, of flexible working arrangements.

We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. For further information on Athena SWAN see <http://www.lboro.ac.uk/services/hr/athena-swan/>

## Applications

The closing date for receipt of applications **31 January 2019**.