



SENIOR LECTURER: Energy Resilience and the Built Environment

Job Ref: REQ190773

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

Successful candidates will have a record of excellence which is contributing to the furtherance of knowledge in their discipline and which is recognised internationally. Candidates must also have a PhD or equivalent research experience and be able to demonstrate a clear trajectory towards achievement at a higher academic level.

School of Architecture, Building and Civil Engineering

Teaching and Learning

The School offers a wide range of undergraduate and MSc programmes covering a broad range of civil engineering and built environment subjects. The content of our programmes is directly aligned to the needs of the industry and there is a high level of sponsorship in our portfolio of programmes. Further information on our teaching may be found at: <http://www.lboro.ac.uk/departments/civil-building/>

Research

The School has an established record for research excellence. In the last Research Excellence Framework (REF), undertaken in 2014, Loughborough University was ranked 14th out of 128 universities based on research intensity. In the School of Architecture, Building and Civil Engineering we returned our staff to two units of assessment: Architecture, Built Environment and Planning, where we were ranked 2nd (out of 45) on research intensity; and Civil and Construction Engineering, being ranked 5th (out of 14) on research intensity.

Energy Resilience and the Built Environment (ERBE)

Part of this role will be to act as Academic Manager of ERBE, the newly-funded EPSRC Centre for Doctoral Training (CDT) in Energy Resilience and the Built Environment (ERBE). This centre brings together established energy research centres at Loughborough University (LU) and University College London (UCL) with the Marine and Renewable Energy Ireland (MaREI) Centre. The CDT undertakes research into the interactions between building energy demand and the heat and power systems which meet this demand. The Centre builds on and extends the work of the LoLo CDT in Energy Demand. At Loughborough, the Centre is based in the School of Architecture, Building and Civil Engineering.

The ERBE CDT provides funding for up to 70 PhD students who will conduct research in three theme areas: energy flexibility and resilience; energy technology and system performance; and comfort, health and well-being in the built environment. The Centre's students undertake generic and research-specific skills training whilst embarking on their chosen research project. They are supported by over 50 internationally recognised academics and will work closely with stakeholders from business, government, industry and the third sector. For further information regarding the ERBE programme [click here](#).

The role of the Academic Manager will include:

- driving the development of the new Centre and managing the cohort of students in our CDTs
- working with the ERBE CDT Director at Loughborough in establishing and maintaining links with external partners and in promoting the Centre.
- working with the Administrator and Director to set up residential programmes and other events.
- coordinating activities with the Centre managers at UCL and MaREI and participating in regular cross-institution meetings and residential events.

The Centre has an interest in candidates with research experience in its three theme areas and in urban energy systems, their design, operation, monitoring and modelling.

Job Description:

Please note that this is a generic job description for the position of Senior Lecturer.

Job Grade

Research, Teaching and Enterprise Grade 8

Job Purpose:

The Academic Manager role offers a unique opportunity to help lead the development of the new Centre for Doctoral Training (CDT) in Energy Resilience and the Built Environment and the further expansion of low energy built environment research at Loughborough University. A passion for the subject of energy is essential in order to carry forward the vision and goals of the Centre.

The post-holder will conduct an original research programme on their own initiative, secure external funding to build their own research programme, and undertake teaching and PhD supervision. The Manager will support the Loughborough Director in promoting the Centre and establishing and maintaining links with external partners. The Centre's Administrator provides day-to-day support for the manager and Director.

The Manager will also contribute to developing and enhancing the research, teaching and enterprise activities of the School, will promote the research of the School and, with colleagues, assist the attainment of the University's Strategy, Building Excellence.

Job Duties

Research

- To pursue a personal research programme consistent with the research priorities of the Centre and the School to increase the global visibility and reputation of the University.
- To secure external research funding.
- To supervise and manage research projects.
- To publish the outcomes of research in outlets of international standing.
- To attend and contribute to the organisation of major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.
- To lead and collaborate in research initiatives with colleagues both within the University and externally.

Teaching

- To work with colleagues in the School to deliver an exceptional learning environment for students.
- To teach and inspire CDT students and to conduct associated assessments.
- To provide academic leadership and pastoral support to the CDT students.
- To promote and use a range of methods and techniques in teaching, learning and assessment.
- To be responsible for the design, content and delivery of taught courses within the CDT.
- To provide teaching, learning, assessment and development, as required, across the School's taught programmes.
- To work with colleagues in the continuous review and development of the School's curriculum.

Enterprise

- To lead engagement with business, public and voluntary organisations, especially in support of the CDT.
- To create social, cultural and economic impacts from academic activity.
- To secure external funding in support of enterprise activities.
- To seek opportunities for the commercialisation of research and the formation of social enterprises.

- To organise a rich portfolio of student events and to monitor and report back to the Centre Management Committee and Advisory Board.

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 of the School's committees.
- To engage in training programmes in the University (e.g. through Staff Development) 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 with dotted line to the ERBE Director

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
Experience	Evidence of research in a subject/discipline consistent with the needs of the School and CDT	1
	A record of research excellence, which is contributing to the furtherance of knowledge and is recognised internationally in that area.	1,2,3
	Experience of working in an internationally recognised academic research environment, including significant experience at post-doctoral level.	1
	Evidence of authoring a significant body of original work, in the highest quality refereed academic journals.	1
	Significant experience of successfully supervising the projects of taught and research students or company staff at equivalent levels.	1,3
	Candidates from outside of academia must be able to demonstrate the ability to make the transition to becoming a top academic	1,2,3
	Experience of presenting research work at conferences.	1
	Experience of course development and of teaching and assessment at postgraduate level and of curriculum development in a field relevant to ERBE.	1,3
Skills and abilities	Demonstrated ability to develop an original research programme on your own initiative and to persuade others of its importance orally and on paper.	2,3
	Demonstrated ability to secure research and/or enterprise funds from external / company sources.	1,3
	Demonstrated ability to create social / cultural / economic impacts from professional activity.	2,3
	A clear trajectory towards achievements at a higher academic level.	1,2,3
	Excellent communication and interpersonal skills which give you the ability to engage with students, colleagues, business and other agencies on a wide variety of matters.	1,2,3
	Ability to use own initiative to drive projects forward.	1,3
	Ability to work independently and as part of and to lead a team.	2,3
	Excellent IT skills.	1
Training	Commitment to and evidence of continuing professional development.	1,3
Qualifications	Relevant PhD or equivalent research experience.	1
Other	Commitment to observing the University's Equal Opportunities policy at all times.	1,3
	Formal recognition of professional standing in teaching (e.g. Fellow of the HEA) or commitment to obtaining this within reasonable timeframe.	1

Desirable Criteria

Area	Criteria	Stage
Experience	Experience of work in a collaboration multi-disciplinary environment.	1
	Experience in commercial exploitation of products / services or formation of social enterprises.	1,3
	Expertise in district energy and/or demand modelling	1,3
	Experience of running residential courses and conferences and seminars.	1,3
Skills and abilities	A sound understanding of the structure of universities and issues facing the UK higher education sector, for example: <ul style="list-style-type: none">• Research funding opportunities in UK HE.• The challenges faced in recruiting students to UK HE.	2,3 1
Qualifications	Achieved or progressing towards appropriate professional status.	1

Conditions of Service

The position is full time and fixed term until September 2024. Salary will be on Research, Teaching and Enterprise and Grade 8, £51,630 to £58,089 per annum, at a starting salary to be confirmed on offer of appointment. Subject to annual pay award. In exceptional circumstances the University can offer a market supplement of up to 10% of the maximum salary quoted per annum.

The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related 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 is **Tuesday 17 September 2019**.