

[ABOUT LOUGHBOROUGH UNIVERSITY](#)

[SCHOOL OF CIVIL AND BUILDING ENGINEERING](#)

LECTURER IN TRANSPORT ENGINEERING/TRANSPORT STUDIES

(2 POSITIONS)

JOB REF: REQ15235

APRIL 2015

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

JOB DESCRIPTION

Job Title: Lecturer in Transport Engineering/Transport Studies

Job Grade: Research, Teaching and Enterprise, Grade 6/7

Job Purpose:

To develop and enhance the research, teaching and enterprise activities of the School of Civil and Building Engineering in the area of Transport Studies.

Research in Transport Studies

The Transport Studies Group is research-led. The Group has secured significant funding from a range of sources including UK Research Councils, published highly cited peer reviewed journal and conference papers and numerous books, both edited and single authored. The Group has particular strength in aviation, sustainable transport, mobility management and intelligent transport systems.

We are particularly interested in identifying outstanding candidates with exceptional research, enterprise and teaching skills in transport. The successful candidate will be a self-motivated person who can secure research funding from a range of sources, manage research projects and maintain our close links with industry. S/he must be capable of supervising students from undergraduates through to doctorate and post-doctoral levels. They must be committed to publishing regularly in the highest quality academic journals as well as building and maintaining collaborative links with research institutions worldwide. They must also help us continue to set the research agenda in transport.

International Standing and Excellence

Collaborations are encouraged and, nationally, research links have been formed with groups in the Universities of Cranfield, Imperial College London, Leeds, Napier, Newcastle, Sheffield and Westminster. These links typically take the form of joint research projects with the short-term exchange of academic and research staff. The international standing of our research is exemplified by our growing portfolio of collaborations with other leading Universities and research institutes worldwide. Examples of collaborating partners include the University of Sydney, Hong Kong Polytechnic University, Harbin Engineering University, National Technical University of Athens, Clemson University, Rutgers University and Texas A&M University. We undertake collaborative research with organisations including the newly formed Transport Systems Catapult, DEFRA, Department for Transport, UK Office of Nuclear Regulation, UK local authorities, Eurocontrol, the Health and Safety Executive and the Highways Agency. An example of such collaboration is the new multi-institutional EU CARONTE transport security project. The development of these long-term, national and international links is a vital element of the School's on-going research strategy.

Duties and Responsibilities:

Research and Enterprise

- To develop a transport studies related research profile that would complement and enhance the group's existing work and to pursue a personal research programme consistent with the research priorities of the School.
- To carry out world leading research in transport studies.
- To secure external research funding.
- To supervise and manage research projects and maintain close links with industry.
- To publish the outcomes of research in internationally leading peer reviewed scientific journals.
- To attend and contribute to major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.
- To collaborate in research and enterprise initiatives with colleagues in the Transport Studies Group and more widely across the School, the University and externally as appropriate.
- Help to set the research agenda for key aspects of Transport Studies.
- To produce an annual personal research plan.

Teaching

- To teach and inspire undergraduate and postgraduate students and to conduct associated assessments.
- To provide academic support and pastoral advice to undergraduate and postgraduate students.
- To promote the use of a range of 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 deliver teaching material at both undergraduate and postgraduate levels, committed to the production of innovative and effective teaching material that will meet the learning outcomes of our programmes in a range of topics.
- To cooperate with colleagues in the continuous review and development of the School's taught programmes and the curriculum.
- To proactively develop a teaching profile that meets the needs of the group and School.

Enterprise

- To engage with business, public and voluntary organisations through knowledge exchange activities such as student projects and placements, research collaboration, consultancy and specialist training.
- To create social, cultural and economic impacts from academic, especially research, activity.
- To secure external funding in support of these activities.
- To seek opportunities for the commercialisation of research and the formation of social enterprises.

Other 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, for example, Responsible Examiner, Personal Tutor, Admissions Tutor, Programme Director.
- 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 (for example, through Staff Development) which are consistent with your needs and aspirations and those of the School.
- To undertake other duties such as open days and placement visits as may be reasonably requested and that are commensurate with the nature and grade of the post.

Other

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.

Special Conditions: None

Organisational Responsibility: Reports to Dean of School

SCHOOL OF CIVIL AND BUILDING ENGINEERING

PERSON SPECIFICATION

Job Title: Lecturer in Transport Engineering/Transport Studies

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	Essential	Desirable
Education	<p>A strong educational profile up to and including first degree and/or Masters in a relevant subject (1)</p> <p>PhD in Transport Studies or closely related discipline or equivalent experience (1)</p>	<p>A first degree in civil engineering and a postgraduate qualification in transport (1)</p>
Professional Experience	<p>Background in Transport Studies with current expertise in this area (1,2,3)</p> <p>Currently and demonstrably active in research in Transport Studies (2,3)</p> <p>Experience of working in a high quality academic research or [business] environment, including experience at post-doctoral (or equivalent) level. (1)</p> <p>Experience of authoring original work, in the highest quality refereed academic journals and / or as substantial company reports (1,3)</p>	<p>Professional membership (e.g. CILT, ICE) (1)</p> <p>Experience of presenting research work at international conferences (1)</p> <p>Previous teaching and assessment experience at undergraduate and postgraduate level (1,3)</p> <p>Experience of successfully supervising the projects of taught and research students or company staff at equivalent levels (1,3)</p> <p>Industrial experience in transport operations (1,3)</p> <p>Experience in obtaining and managing research grants (1,3)</p>
General Skills, Abilities and Knowledge	<p>Ability to develop an original research programme on your own initiative and to persuade others of its importance orally and on paper (2,3)</p> <p>Ability to identify potential social / cultural / economic impacts from professional activity (2,3)</p> <p>Able to liaise and work with industrial partners (1,3)</p>	<p>Ability to secure research / project funds from external / company sources (1,3)</p> <p>Ability to take part in module and programme development (3)</p> <p>Knowledge of the challenges faced in UK HE (1)</p> <p>Academic leadership potential (1,3)</p>

	Essential	Desirable
General Skills, Abilities and Knowledge	<p>Knowledge of research and enterprise funding opportunities in UK HE and ability to secure funding (2,3)</p> <p>Ability to teach and supervise undergraduate and postgraduate students in Transport Studies (1,2)</p> <p>Ability to provide tutorial and pastoral advice to students (1).</p> <p>Ability to work independently and as part of a team. (1)</p> <p>Excellent communication skills (2)</p> <p>Appropriate IT skills (1)</p>	<p>Capability of establishing research activity of international standing (1,2,3)</p> <p>Ability to teach and supervise undergraduates and postgraduates in the areas of air transport, logistics, quantitative methods, transport engineering, ITS and business management in transport (1,2,3)</p>
Training	Demonstrate evidence of having undertaken further training (1,3)	Participation in a recognised training programme for academic staff (1)
Other	Commitment to observing the University's Equal Opportunities policy at all times (1,3)	Experience of enterprise activities (3)

Stages in Assessment: 1, Application Form, 2, Presentation and Questions, 3, Interview

Conditions of Service:

The appointment will be on a full-time, open-ended contract. Salary will be on Research, Teaching and Enterprise Grade 6, £34,223 to £37,394 per annum or Research, Teaching and Enterprise Grade 7, £38,511 to £45,954 per annum, at a starting salary commensurate with experience and qualifications. .

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 at:
<http://www.lboro.ac.uk/services/hr/a-z/conditions-of-service.html>

Informal Enquiries

Informal enquiries should be made to Professor Abigail Bristow, email a.l.bristow@lboro.ac.uk, phone +44(0)1509223781.

Application

The closing date for receipt of applications is **9 May 2015**.