



**Faculty of Environment
Institute for Transport Studies**

Lecturer (Teaching and Scholarship) in Transportation Engineering

Available from 1 January 2017

The Institute for Transport Studies is one of the leading global providers of postgraduate training and is looking to strengthen its team in the field of transportation engineering to support our growing postgraduate student population and a new undergraduate programme in Civil Engineering with Transport.

We are seeking a Lecturer (Teaching and Scholarship) to help deliver and support our engineering facing student experience both at the Institute but also, as part of our contribution to a new Joint School between Southwest Jiaotong University (SWJTU) and the University of Leeds (UoL) at the SWJTU campus in the city of Chengdu in China. You will spend some of the year (typically 6 to 8 weeks in a calendar year) in Chengdu, carrying out teaching at the Joint School.

You will have a first degree in civil engineering (or similar) that was accredited to Chartered Engineering level by ICE or equivalent international body and you will have either; significant industrial experience in any relevant field of civil engineering and/or construction that will complement current areas of expertise within the School; a PhD in a relevant area of civil engineering; or experience of teaching and development of relevant courses in a Higher Education establishment.

You will also have experience of transportation engineering in a range of contexts and a track record and demonstrable commitment to the training and development of transportation engineers. This experience may come from practice, academia or a combination of these but you would be expected to demonstrate enthusiastic and effective teaching skills alongside a range of delivery techniques and assessment methods. You will have excellent team working skills with an ability to work in a cross-cultural team, and possess excellent communication skills.

We are open to applications from candidates with a wide range of experience across highway, rail or inter-modal design and construction with experience of developed, emerging economies and developing country contexts but who have advanced technical knowledge.

The University of Leeds' commitment to women in science has been recognised with a national accolade. The University has received the Athena SWAN Bronze Award and the Faculty of Environment holds the Athena SWAN Bronze Award in recognition of our success in recruiting, retaining and developing/promoting women in Science, Engineering and Technology (SET). We are proud of our commitment to equality and inclusiveness.

The University also offers family friendly policies including generous maternity and paternity leave; full details of the policies can be found here
<http://hr.leeds.ac.uk/homepage/4/policies>.

University Grade University Grade 8 (£38,896 - £46,414 p.a.)

Informal enquiries may be made to Dr Tony Whiteing, tel +44 (0)113 343 5359, email: A.E.Whiteing@its.leeds.ac.uk

Closing Date: 25 September 2016

Ref: ENVTR1029

**Click here for further information about working at the University of Leeds
www.leeds.ac.uk/info/20025/university_jobs**

Job Description

Responsible to: Director of Institute for Transport Studies
Reports to: Director of Student Education for Institute for Transport Studies

Overview

This post provides an excellent opportunity to undertake teaching in a range of fundamental transportation engineering subjects within the Institute for Transport Studies (ITS) at Masters and Undergraduate levels. You will also work closely with colleagues within the Institute and with the School of Civil Engineering in supporting joint academic programmes with South West Jiaotong University in China.

ITS is the UK's largest provider of postgraduate training in Transport Engineering. ITS also contributes to undergraduate teaching across the Engineering Faculty and has committed to a new undergraduate programme in Civil Engineering with Transport jointly with the School of Civil Engineering. We are looking to recruit someone with a commitment to teach transport engineering to UK and International students.

You would also help to develop the new Joint School at the South West Jiaotong University (SWJTU) campus in the city of Chengdu in China. This School is wholly owned by SWJTU but will recruit students to both the University of Leeds and SWJTU from September 2016 to be educated towards dual degrees from both institutions. In the first instance the students will be recruited at undergraduate level however we have future plans for collaboration in postgraduate education and research. You will be part of the UoL "flying faculty" staff, delivering the teaching in China in short intensive blocks, which means that you will be expected to spend some of the year (typically 6 to 8 weeks in a calendar year) in Chengdu, working at the Joint School.

The Institute for Transport Studies has achieved Investors in People Accreditation and would wish to support you in your future career development. This could be through teaching excellence and/or through study for a part-time PhD, if appropriate.

Main Duties and Responsibilities

Scholarship

- To keep abreast of scientific research developments and developments in professional practice in order to foster state-of-art teaching within the School
- To contribute to pedagogic developments relating to learning and teaching to a level recognised externally for excellence, working with the relevant Professional Institutions
- To promote theoretically informed and innovative approaches to learning and teaching related activities across the University and externally

- To further develop your external profile within learning and teaching and in scholarship
- Secure resources needed to carry out scholarship within and/or outside the School
- To maintain own continued professional development i.e. engagement with the UK Professional Standards Framework for teaching and supporting learning
- To conduct scholarly research: 44 workload days will be allocated per year to the role holder for scholarly research

Teaching

- To provide inspirational teaching and learning of core Transport Engineering topics, which reflects professional standards and good practice and includes research-led teaching
- To develop and foster links with industry to ensure teaching and learning reflects Transport Engineering best practice and innovations, whilst also working to improve the employability of MSc (Eng), MEng and BEng students
- To support and deliver modules, including lectures, tutorials and workshops at different levels on undergraduate and/or postgraduate taught courses
- Have significant involvement in the design, development and planning of modules as required
- To assess students' work including setting and marking exams
- To assist the School to embed industry standards as appropriate to the curriculum
- To utilise and develop innovative approaches to learning and teaching
- To provide timely feedback to students on their studies, identifying the learning needs of students and defining appropriate learning objectives
- To supervise MEng and MSc(Eng) postgraduate students undertaking projects and develop project briefs
- To act as a personal tutor, including pastoral care and supporting students in maximising the benefits of their time at Leeds and JWJTU
- To provide advice to students on matters relating to their orientation to UK academic expectations, their studies and be available to students at agreed times outside of the teaching schedule
- To work with colleagues in the Institute to ensure that research is integrated into teaching where appropriate

- To contribute to the review of modules and programmes and to quality assurance mechanisms
- To be aware of and work in line with the University's learning and teaching partnership <http://students.leeds.ac.uk/#The-Partnership> and work with our students as members of a learning community to provide world class education and an excellent student experience
- Delivering teaching in China as well as in Leeds
- Assist on taught modules with preparing teaching materials or student supervision, etc.
- Collaborate to co-ordinate SWJTU teaching activities with other schools in the University
- To contribute to Institute and Faculty policy and practice in teaching as appropriate

Academic Leadership

You will be expected to undertake leadership duties as directed by the Director of Institute, commensurate with experience and overall workload.

- Attend Institute meetings and contribute effectively to the administrative processes of the Institute and, as appropriate, of the wider Faculty/University
- To facilitate cooperation between the Faculty/Institute and colleagues in the Joint School and the wider university, supporting existing links and developing new collaborations
- Take a proactive approach to and maintain a record of your own continuing professional development
- Actively promote and engage with the objectives of our valuing and developing all our staff agenda via compliance with the University's People Management Framework to ensure high standards of employment practices across the Institute
- Integrate the University value of inclusiveness into all appropriate aspects of the job; respecting the dignity and diversity of all members of the University community and of visitors to the University
- Maintain a safe work environment, including ensuring compliance with legislation and the undertaking of risk assessments
- To co-ordinate the work of other colleagues and act as mentor to less experienced staff as appropriate
- Any other duties as may reasonably be required, consistent with the grade of the post

Key Working Relationships

You will work with colleagues in SWJTU and in Civil Engineering as well as those at the Institute for Transport Studies in Leeds.

University Values

All staff are expected to operate in line with the University's values and standards, which work as an integral part of our strategy and set out the principles of how we work together. More information about the University's strategy and values is available at <http://www.leeds.ac.uk/comms/strategy/>.

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Person Specification

Essential

- A first degree in civil engineering (or similar) that was accredited to Chartered Engineering level by ICE or equivalent international body
- Either; significant industrial experience in any relevant field of civil engineering that will complement current areas of expertise within the School; a PhD in a relevant area of transport engineering; or experience of teaching and development of relevant courses in a Higher Education establishment
- Experience of transportation engineering in a range of contexts and a track record and demonstrable commitment to the training and development of transportation engineers, this may come from practice, academia or a combination
- Experience of teaching design, development and delivery of teaching or training materials particularly in a Higher Education setting
- The ability to motivate and engender enthusiasm in others with a passion for transferring knowledge and skills to students (as evidenced for example in student feedback obtained from previous teaching experience or from a successful track record of mentoring graduate engineers in industry)
- Demonstrable ability to work in a cross-cultural team and demonstrate excellent team-working and networking skills
- Ability to bring enthusiasm and practical skills to the area of design/project work
- Evidence of high levels of self-motivation
- Demonstrate excellent communication and interpersonal skills and a flexible and co-operative approach with good time management skills
- Willingness to travel and work away from the UK for short periods of time to deliver modules at partner institutions abroad
- Willingness to undertake further learning and personal development training as may be appropriate to the post

Desirable

- Chartered membership of a relevant professional institution such as the Institution of Civil Engineers (CEng, MICE) or Chartered Institution of Highways and Transportation
- Experience of developing and incorporating innovative approaches to teaching and assessment
- An interest in applying research and scholarship in teaching
- Demonstrate a readiness to take on developmental responsibilities associated with student education
- Experience of having worked/taught/studied overseas (preferably in China)

Additional Information

The University offers generous terms and conditions of employment, a wide range of benefits, services, facilities and family friendly policies. Full details are available on the Human Resources web pages accessible at www.leeds.ac.uk/hr

The Partnership

The Partnership has been developed by students and staff and describes the mutual expectations of us all as members of the University of Leeds community. More information about the Partnership is available at <http://partnership.leeds.ac.uk>.

Disclosure and Barring Service checks

A Disclosure and Barring Service (DBS) Check is not required for this position. However, applicants who have unspent convictions, cautions, reprimands and warnings, including any pending criminal proceedings must indicate this in the 'other personal details' section of the application form and send details to the Recruitment Officer at disclosure@leeds.ac.uk.

Disabled Applicants

The post is located at The University of Leeds and Southwest Jiaotong University Joint School in China. Disabled applicants wishing to review access to the building are invited to contact the department direct. Additional information may be sought from the Recruitment Officer, email disclosure@leeds.ac.uk or tel + 44 (0)113 343 1723.

Disabled applicants are not obliged to inform employers of their disability but will still be covered by the Equality Act once their disability becomes known.

Further information for applicants with disabilities, impairments or health conditions is available in the applicant guidance.

Further Particulars

The University of Leeds is one of the largest universities in Britain, with over thirty thousand students and more than six thousand staff, including over two thousand academic and academic-related staff. The University has departments in all major disciplines and is committed to developing a number of research areas as world class centres of excellence. This has involved identifying a number of 'gold peaks' of high quality research and developing strategic investment initiatives for these areas to enable them to develop further of which the Institute for Transport studies is one.

The Faculty of Environment

The Faculty of Environment includes:

- Institute for Transport Studies
- The School of Earth and Environment
- The School of Geography

The Faculty of Environment is a world-leader in responding to global challenges with over 400 staff actively engaged in research and teaching across a wide range of topics, covering earth sciences, environmental science and sustainability, human and physical geography and transport planning. It is home to leading researchers from across the social and natural sciences, and it offers a range of high-quality taught programmes at both undergraduate and post-graduate levels.

The Faculty hosts or is a major participant in significant international research centres and initiatives including the ESRC Centre for Climate Change Economics and Policy, the EPSRC/ESRC UK Energy Research Centre, the EPSRC/ESRC I-Build and In-demand Centres, the Centre for Low Carbon Futures, the Centre for Integrated Energy Research, the Centre for Spatial Analysis and Policy and the Water@Leeds programme. The Faculty also hosts ESRC, NERC and EPSRC funded Doctoral Training Centres.

Institute for Transport Studies (ITS)

The Institute's primary purpose is to advance the understanding of transport activity, operations and use, and to develop skills and best practice among transport professionals and decision-makers.

The Institute is the UK's largest single academic group providing transport courses and training. In a typical year there are around 500 students taking undergraduate modules, 80 students on Masters programmes, up to 40 registered PhD students, and dozens of delegates participating in short courses. Through this, the Institute makes a significant contribution to resolving the skills shortage faced by the transport sector, and to improving both the quantity and quality of transport professionals internationally.

ITS is a leading international centre for transport research. It is particularly notable for the breadth and depth of research, the international quality of which has been verified by Research Assessment Exercise (RAE) stretching back over a period of 20 years. The research is sponsored by a variety of organisations, including the UK Department for Transport, the European Commission, and the Engineering and Physical Sciences Research Council.

ITS has approximately 50 academic/research staff and about a dozen support staff. The Institute prides itself on its inter - and multi-disciplinary nature; the staff come from a wide variety of background disciplines, including economics, engineering, geography, mathematics, computing, psychology and social science. ITS staff have provided expert advice to international organisations such as the World Bank, the European Commission and the International Transport Forum, to national governments around the world and to UK entities such as the House of Commons Transport Select Committee. Staff also serve as editors and/or members of the editorial boards of many leading transport journals and play a prominent role in the organisation of international transport conferences.

For further details visit <http://www.its.leeds.ac.uk>

Southwest Jiaotong University-University of Leeds Joint School

As detailed in this document, the University of Leeds (UoL) and Southwest Jiaotong University (SWJTU) have launched a new Joint School at the SWJTU campus in the city of Chengdu in China. This School will recruit students to both UoL and SWJTU from September 2016 to be educated towards dual degrees from both institutions. In the first instance the students will be recruited at undergraduate level however we have future plans for collaboration in postgraduate education and research.

The Joint School has the approval of the Chinese Ministry of Education as a non-independent cooperative institution (and is therefore part of SWJTU) and both Universities are committed to its long-term growth through increased numbers of dual degree programmes and a wide range of joint research initiatives (including joint postgraduate research students).