

Lecturer in Transport

Department	Civil and Environmental Engineering (www.strath.ac.uk/engineering/civilenvironmentalengineering/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Academic	Reference No	508077
Reports To	Head of Department	Grade:	8
Salary Range:	£43414 - £53353	Contract Type:	Open Contract
FTE	1 (35 hours/week)	Closing Date	Wednesday, 8 March 2023

Job Advert

The Department of Civil and Environmental Engineering (CEE) is seeking to appoint a Lecturer in Transport to strengthen its research and teaching capacity in this area. The successful candidate will be based in the Centre for Intelligent Infrastructure which undertakes cross-cutting research into sustainable and resilient civil infrastructure systems, and has established collaborations with key transport authorities, including Transport Scotland, National Highways and Network Rail, leading transport operators and consultancies. Candidates will be working in a recognised area of transport research which is consistent with the strategic direction of the Centre and CEE more generally, and includes, but is not limited to, the following areas: safety, reliability, resilience and adaptation of transport systems, measurement and evaluation of the impacts of novel transport and mobility interventions, transport decarbonisation, and the management, condition monitoring and maintenance of transport infrastructure networks.

To be considered for the role you will have a PhD in an appropriate discipline. You will have a strong track record of published research in high quality publications commensurate to your career stage. You will have research experience and interests consistent with the strategic direction of the Department and the Centre for Intelligent Infrastructure. You will have excellent communication skills and a commitment to excellence in teaching at all levels.

As a leading international technological university, the University of Strathclyde is recognised for its world class research, knowledge exchange and educational programmes. Over the last few years, the Department has seen considerable success in all aspects of academia and we are ambitious to continue this upward trajectory. We are a dynamic department, with a reputation for having a friendly and active research culture. We have a current population of around 70 PhD students and our research income has tripled in the past 5 years. Our overall student satisfaction score in the NSS was 94% in 2022 which was one of the top scores for Civil Engineering in the UK.

In 2022 we became the first Engineering Department in the UK to hold a Gold Athena Swan Award and one of only three Gold awards to be held in Engineering. This award recognises the work the department has done to address inequalities and barriers faced by women in Engineering, highlights how strongly the department has embedded inclusion and support for all its staff and students in everything we do, and acknowledges how much our leadership in this area is helping Strathclyde, the higher education sector and the Civil Engineering industry become more inclusive places to work and study.

Job Description

Brief Outline of Job:

The successful candidate is expected to collaborate on interdisciplinary research with colleagues in other engineering departments and across the University through the Centre for Intelligent Infrastructure and to develop and sustain a strong externally funded research programme. While outstanding applications in any area of Transport will be considered, candidates who can demonstrate specialisation in an area of Transport which complement the strengths of the Centre are strongly encouraged to apply.

The postholder will consolidate and enhance the ongoing research within the Centre for Intelligent Infrastructure and will help in positioning CEE-Strathclyde among the top UK Civil Engineering Departments. It will support our ambition to innovate approaches in transport so that we play a key role in targeting Net-Zero and future-proofing infrastructure systems.

Transport is a core component of an accredited Civil Engineering and Civil and Environmental Engineering degree. The postholder will contribute to curriculum development within the degree programmes, and will enhance the student experience, maintaining our high NSS scores.

The postholder will ensure we have appropriate capacity to drive robust overseas student recruitment, contributing to the teaching to our increasing number of MSc students. The successful candidate will also contribute to the design and organisation of innovative curricula and syllabuses in transport engineering, contribute to management of the Department and the Centre as requested by the Head of Department, promote knowledge transfer of research in transport that has the potential to provide impact within the civil engineering sector.

Main Activities/Responsibilities:

1.	Engage in individual and collaborative research of international excellence in transport, establishing a distinctive programme of research.
2.	Disseminate results through regular publications in high impact journals, books and conference proceedings.
3.	Apply, as Principal- or Co-Investigator, for external research funding and manage grants awarded.
4.	Design and deliver teaching in transport planning or engineering at undergraduate and postgraduate levels, including contribution to curriculum review and enhancement, in a manner that supports a research-led approach to student learning.
5.	Supervise research students and staff as required, providing direction, support and guidance.
6.	Undertake student assessment and examination activities, including the provision of appropriate feedback to students.
7.	Develop knowledge exchange activities by, for example, establishing research and/or educational links with industry and influencing public policy and the professions
8.	Contribute to the development of the Centre for Intelligent Infrastructure.
9.	Undertake necessary administrative and management functions, for example through membership of committees and/or by acting as class/module/year co-ordinator as required by the Department, Faculty and/or University.
10.	Engage in continuous professional development.
11.	Comply with and promote the University's Health, Safety & Environment, Equality, Diversity & Inclusion, and Welfare & Safeguarding Policies at all times.

Person Specification

Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Good honours degree and PhD (or equivalent) in appropriate discipline

D1 Professionally qualified (chartered status or equivalent) in a field which is relevant to candidate's background

Experience

E2 Research experience and interests in a recognised area of transport research which is consistent with the strategic direction of the Department and the Centre for Intelligent Infrastructure

D2 Experience of delivering high quality undergraduate and postgraduate teaching, supervision and examining (including in virtual/online mode).

D3 Experience of working with industry

Job Related Skills and Achievements

E3 A track record of publications in transport or related field commensurate with the academic grade

E4 The ability to secure research funding through relevant successful research grant applications

E5 Ability to work within an academic team environment and lead teams where required

D4 Track record of securing research funding

Personal Attributes

E6 Excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job as well as a Research Plan outlining your research strategy for the next 5 years. Applicants should also complete the Equal Opportunities Monitoring Form.

Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Dr Neil Ferguson (n.s.ferguson@strath.ac.uk).

Conditions of Employment

Conditions of employment relating to the Academic staff category can be found at: [Conditions of Employment](#).

Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

Basic Disclosure

This role requires the satisfactory outcome of a Basic Disclosure Scotland Check. The successful applicant will be asked to carry out a Basic Disclosure Scotland Check. Whether an outcome is satisfactory will be determined by the University.

Probation

Where applicable, the successful applicant will be required to serve a 12 month probationary period.

Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

Interviews

Formal interviews for this post are currently planned during w/c Monday, 27 March 2023, although this will be confirmed closer to the time.

Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

