



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Lecturer or Associate Professor in Railway Engineering,
School of Civil Engineering



Salary: Grade 8 (£40,792 – £48,677 p.a.) or Grade 9 (£50,132 - £58,089 p.a.)

Reference: ENGCV1099

Closing Date: 16 June 2019

Available from 1 August 2019

We will consider flexible working arrangements

Lecturer or Associate Professor in Railway Engineering School of Civil Engineering

Are you an influential academic with the ability to carry out teaching and research in railway engineering and related topics? Do you have an excellent research record, success obtaining funding and the vision and drive to tackle new challenges? Are you passionate about delivering an exceptional student experience in a research-intensive Russell Group University?

As a Lecturer or Associate Professor, you will carry out research, teaching and management within the School, Faculty and University. You will also contribute to academic leadership in the field of Railway Engineering, while developing and delivering railway engineering related modules for the Civil Engineering with Transport programme at [University of Leeds](https://www.leeds.ac.uk), and the joint programme at [Southwest Jiaotong University](https://www.swjtu.edu.cn), Chengdu, China.

HS2 is the UK's ambitious, new, £60Bn high speed rail project, which will significantly improve Leeds' connectivity with the rest of the UK. Therefore, the Leeds City Region is getting HS2-ready, integrating High Speed Rail in its plans for economic growth. HS2 is drawing heavily on the University's strengths in innovation and enterprise across a number of areas of science, technology and engineering.

The University has a large breadth of railway research expertise and is currently developing a new Institute for High Speed Railway and Systems Integration. It has recently appointed several new staff, including a Chair in High Speed Rail Engineering, Professor Peter Woodward, to lead this new institute. Highlights of the new institute include:

- Significant investment to develop the world's most advanced railway track testing facility
- Significant investment to develop the world's most advanced railway vehicle testing facility

The institute will complement other university-based research centres in the UK and respond to industry demand for undergraduate and postgraduate skills in railway engineering and systems, and other related areas. The post of Lecturer or Associate Professor in Railway Engineering has been created to accelerate the growth of the Institute, by raising its international research and education profile.



What does the role entail?

As a Lecturer your main duties will include:

- Pursuing, leading and developing the strategic direction of research, innovation and impact at an appropriately benchmarked level, attracting research income on an individual and collaborative basis to underpin high quality research activity and programmes/projects;
- Being recognised as an authority in your field, developing and maintaining an external profile as appropriate to the discipline;
- Maintaining a high quality record of regular and original research publications that are of national and international standing;
- Promoting the integration of your own research area with other research interests within and, as appropriate, outside the School, Faculty and University;
- Providing high quality postgraduate supervision and attracting research students to the University, and to supervise other students as appropriate;
- Undertaking research-led teaching at different levels on undergraduate and/or postgraduate taught courses, regularly collecting, and responding to, student feedback as well as being involved in the assessment of course work and examinations;
- To act as module leader and to ensure that modules and programmes run to the required standard; using feedback gathered from students to inform or adapt future teaching;
- Playing a significant role in the design, development, planning and review of modules and programmes within the subject area as required;
- Contributing to the management and administrative processes and committee structures of the School, Faculty and University;
- Managing or leading major initiatives or areas of work (as either sustained or one-off projects) as well as taking on leadership roles which facilitate School, Faculty or University performance or business as required.

In addition, for appointment as Associate Professor, your main duties will include:

- Pursuing research, innovation and impact of international standing, developing and maintaining a profile as appropriate to the discipline, and enhancing the broader research activity of the School through leading collaborative initiatives within one or more of the research themes;
- Playing a significant role in the design, development, planning and review of modules and programmes within the subject area as required;



- To develop innovative approaches to learning and teaching as appropriate;
- To act as Programme Leader or other senior role as designated by the Head of School;
- Providing a significant contribution to the overall work of the University and/or equivalent external organisations by representing the School and Faculty on appropriate committees and groups;
- Effective contribution to the management and administrative processes and committee structures of the school, faculty and University;
- Involvement in the recruitment, management and development of staff and act as a mentor to colleagues;
- The promotion of the values of collegiality within the academic community.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Lecturer you will have:

- A PhD in an engineering related subject, or any field that contributes to the performance of railway infrastructure. As the role requires engagement with civil engineering structures, civil engineering expertise is desirable;
- A track record of research outputs as a single or main author of refereed publications of internationally excellent quality;
- Experience of teaching effectively within higher education;
- The ability to obtain external research funding;
- Willingness to travel and work away from the UK for short periods of time (typically 6-8 weeks in a calendar year) to deliver modules at partner institutions abroad;
- Outstanding communication and team working experience, including the ability to manage resources and/or staff;
- An ability to provide academic leadership;
- A strong commitment to your own professional development;
- Evidence of the ability to build trust to ensure engagement and commitment, and to treat staff and students fairly, with respect and dignity.



In addition, as an Associate Professor you will also have:

- An international reputation, including a sustained track record of raising competitive research funds of significant value from national and international funding agencies;
- Significant experience of teaching effectively at all levels within higher education;
- Outstanding communication, team working, networking and profile raising skills to operate effectively within the role, including experience of collaboration on cross-disciplinary projects;
- Proven ability to provide leadership, including managing research and/or staff.
- Experience of PhD supervision, possibly acting as primary supervisor to successful doctoral graduates.

You may also have:

- An ability to build partnerships with industrial, professional and public sector organisations on interdisciplinary collaboration, knowledge exchange and funding.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).

Contact information

To explore the post further or for any queries you may have, please contact:

[Dr David Connolly](#), School of Civil Engineering

Tel: +44 (0)113 343 6304

Email: d.connolly@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering](#) and the School of [Civil Engineering](#).



A diverse workforce

The Faculty of Engineering is proud to have been awarded the [Athena Swan Silver Award](#) from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

