



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Lecturer in Rock and Tunnel Engineering, Faculty of Environment



Salary: Grade 8 (£40,792 – 48,677 p.a.)

Reference: ENVEE1329

Closing date: 9 June 2019

We will consider job share / flexible working arrangements

Lecturer in Rock and Tunnel Engineering

School of Earth and Environment, Faculty of Environment

Can you develop and lead research and innovation in a competitive applied science environment? Are you able to design and deliver high quality teaching on applied topics at both postgraduate and undergraduate level?

You would be coming to a dynamic environment within the Engineering Geology, Rock Mechanics and Geotechnical Engineering grouping within the School of Earth and Environment. We are looking for an enthusiastic and self-motivated individual, with a focus on rock and tunnel engineering, to join our team to develop research and teaching at the highest level. You would be expected to deliver world class research, and make a significant contribution to teaching at both taught postgraduate and undergraduate level. You would contribute to the highly successful postgraduate taught MSc programme in Engineering Geology, and the new Masters programme in Transport Infrastructure: Design and Construction (School of Civil Engineering), as well as undergraduate programmes.

What does the role entail?

As a Lecturer, your main duties will include:

- To provide develop your own research with specialism in one or more of the following areas:
 - Applied Rock Mechanics;
 - Tunnel Engineering;
 - Geotechnical Engineering.
- Attracting research funding individually and collaboratively to underpin high quality research activity and research programmes/projects;
- Maintaining a record of high quality publications of national and international standing;
- To carry out research that can translate into developments in industrial practice;
- Being actively involved in research, innovation and impact at a national and international level, as well as contributing to local School/Faculty activity;
- Promoting the integration of your own research area with other research interests within and, as appropriate, outside the School and Faculty; i.e. with industry, academic and public sector institutions;



- Providing research supervision and helping to attract students to the University;
- To prepare and deliver both classroom and field-based teaching at both undergraduate and postgraduate levels, including assessment and examinations and contributing towards module design, review and quality assurance mechanisms;
- Providing support, guidance and timely feedback to students, acting as a personal tutor, resolving issues and/or referring to specialist parties, where appropriate;
- To attract commercial opportunities for consulting that strengthen the impact of research activity;
- To participate in the activities of the relevant professional body (including the Geological Society, Institution of Civil Engineers and the Institute of Materials, Minerals and Mining, or relevant international body as appropriate);
- Contributing effectively to the administrative processes and committee structures of the School/Faculty including taking on leadership roles and managing initiatives which facilitate School, Faculty or University performance or business.

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 a relevant discipline, with an appropriate background in academic research or industry in the relevant subject area;
- A track record of research outputs, within the area of rock and tunnel engineering in refereed publications of internationally excellent quality, or the potential to produce these;
- A track record of, or potential to attract research funding, either individually or collaboratively from public and/or private sector sources;
- Coherent plans for raising funds and developing research within the Institute for Applied Geoscience at University of Leeds over the next 5-10 years;
- Potential to teach effectively at all levels in a University environment, with an enthusiastic approach to teaching rock and tunnel engineering and the ability to interact with students in ways that will enhance the student experience;



- Experience of proactively developing new teaching approaches and materials in the area of rock and tunnel engineering;
- A high level of interpersonal and communication skills, and a strong ability to communicate effectively in writing and verbally with students, academic and external audiences;
- An ability to contribute to management and administrative processes and structures, including managing resources and/or staff.

You may also have:

- A track record of development and delivery of teaching in a University environment;
- Experience of contributing to leadership and an academic or professional environment;
- Experience of field and laboratory characterisation approaches relevant to Rock and Tunnel Engineering;
- Possession of either Chartered Geologist or Chartered Engineer status, or equivalent as appropriate to your specialism;
- Experience relevant to research student supervision, either directly within academia or indicated by management of junior members of staff in professional practice.

Note: Your profile could have been developed from an academic or industrial base or a combination of both.

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. Your application should include:

- a **supporting statement** highlighting how you meet each of the criteria for the role and how you believe your existing knowledge and experience equips you for performing the role;
- a copy of your **curriculum vitae** giving full details of qualifications and experience.



Contact information

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

[Dr Jared West](#), Associate Professor of Hydrogeology

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Email: l.j.west@leeds.ac.uk

or **[Dr Bill Murphy](#), Senior Lecturer**

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Email: w.murphy@leeds.ac.uk

Additional information

Find out more about the [Faculty of Environment](#).

Find out more about our [School](#).

Find out more about our [Research and associated facilities](#).

A diverse workforce

Find out more about [Athena Swan](#) in the Faculty.

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.

