

THE POST

College/Service: College of Engineering, Mathematics and Physical Sciences – Camborne School of Mines (<http://emps.exeter.ac.uk/>)

Post: Lecturer (Education and Research) in Mining Engineering – Intelligent Mining

Reference No: P51720

Grade: F

HERA: LEC

Reporting to: Dean of College

The above full time post is available immediately in the College of Engineering, Mathematics and Physical Sciences.

Job Description

Main duties and accountabilities

1. To fulfil research, teaching and administrative duties as a Lecturer in Mining Engineering – Intelligent Mining.
2. To extend the research profile of mining engineering and related areas, especially in the fields of mine design and control, operational data analytics, equipment miniaturisation and optimisation, sensing technology, robotics, automated mining operations and augmented reality; by gaining research funding attracting & supervising postdoctorate researchers and research students, and through publishing high impact research .
3. To collaborate with colleagues both within the College and the University of Exeter as a whole in order to develop and support mining engineering research programmes and the College's research programme.
4. To contribute to the general operation of the College as a member of its academic team.

Research

1. To conduct independent and inter-disciplinary research with international impact and industrial relevance, acting where appropriately as a principal investigator and project leader; and in so doing:

Enhance the College's international reputation through research publications of appropriate quantity and quality, and contribute to worldwide debate at national and international conferences.

Win research earnings through carefully prepared and successful grant applications as well as identifying potential income-generating programmes and collaborative partnerships.
2. To supervise research projects, managing any dedicated research staff and postgraduate research students, and provide the mentorship to enable staff and students to develop their skills and academic careers.
3. Prepare and submit high quality papers for publication in appropriate journals, in order to be eligible for institutional submission in REF 2020 and subsequent research assessments.

4. To help promote a collegiate working atmosphere and stimulating environment that will attract further research staff of the highest quality as well as good postgraduate research students.
5. To contribute to the further and ongoing development of Camborne School of Mines research at Exeter, especially in the area of mining engineering.

Teaching

To deliver undergraduate and postgraduate courses to appropriate academic standards, and receiving acceptable student feedback such that:

1. Knowledge acquired from research translates to inspirational teaching
2. Students are challenged but also tutored and supported with individual care
3. Teaching and learning techniques are creative, innovative and inspiring
4. Students are supervised appropriately
5. Assessment criteria are appropriate, and fairly applied with results fed back to students appropriately
6. Module content is continuously reviewed to identify areas for improvement

General

To contribute to the overall general and academic management in the College by undertaking activities that may be required such as:

1. Developing overall academic content and structure of modules with colleagues
2. Developing ideas for generating income and promoting both the College in general and Camborne School of Mines in particular.
3. Supporting recruitment and admissions processes and procedures
4. Supporting examinations processes and procedures
5. Contributing to the work of College committees
6. Contributing to accreditation and quality control processes
7. Contributing to strategic planning

This job description summarises the main duties and accountabilities of the post and is not comprehensive: the post-holder may be required to undertake other duties of similar level and responsibility.

Person Specification

The successful applicant will have an independent research programme, that will strengthen and complement the existing team at the University. He/she will be able to demonstrate the following qualities and characteristics:

1. PhD in Mining Engineering or PhD in a related discipline, or demonstrably equivalent industrial research experience.
2. Sufficient knowledge to develop teaching and research programmes.
3. A strong record in attracting research funding, or demonstrable potential to attract such funding.
4. Appreciation of industry research priorities within area of expertise.
5. Teamwork skills to work in collaboration with existing group members.
6. An active and supportive approach to inter-disciplinary and multi-disciplinary research that will help to foster interactions and links both within the University and externally with industry, other educational bodies and professional institutions on an international basis.
7. The attitude and ability to engage in continuous professional development.
8. The aptitude to develop familiarity with a variety of strategies to promote and assess learning.
9. Enthusiasm for delivering undergraduate, postgraduate and blended learning programmes as required.

Informal Enquiries

Before submitting an application you may wish to discuss the post further by contacting Professor Kip Jeffrey on C.Jeffrey@exeter.ac.uk.

Additional Information Relating to the Post

Salary

The starting salary will be £33,574 up to £41,255 on Grade F, £33,574 to £41,255 per annum, points 32 to 39, subject to knowledge, skills and experience. Progression beyond point 36 is subject to performance in the role.

Hours of work

There are no specific hours of work but staff are required to work such hours as are necessary to carry out the duties associated with the appointment

Annual Leave

The annual leave entitlement for full-time appointments is 41 days per calendar year (pro rata for part-time appointments). For further information see our website <http://www.admin.ex.ac.uk/personnel/leave.shtml>.

Professional Development Programme

New Lecturers at the University of Exeter are appointed to a Professional Development Programme of up to five years providing for progression to Senior Lecturer (grade G), subject to satisfactory performance. Personal goals and objectives will be agreed with the Dean of College to cover the areas of teaching, research, business and community relations, and administration and a structured programme of professional development will be agreed. Further details about the Professional Development Programme can be found at:

<http://www.exeter.ac.uk/staff/employment/academicroles/youteachandresearch/lecturer/professionaldevelopmentprogrammepdp/> together with details of the appropriate targets at:

To view the Sciences target [click here](#).

References & Medical Clearance

All appointments are subject to satisfactory reference and medical checks and individuals will be required to complete a medical assessment form before appointment is confirmed. Applicants should note that the University normally contacts referees for short-listed applicants without further advice to applicants. When advising of referees, if they are resident overseas, please ensure you supply fax numbers and/or email addresses enabling us to contact them (if necessary) without delay.

Right to Work in the United Kingdom

If you do not have the right to work in the UK, this appointment will be subject to the University successfully obtaining a Certificate of Sponsorship under the UK's Points Based System for migrant workers and to you obtaining Entry Clearance/Leave to Remain.

For further information, see the Home Office website at <http://www.ukba.homeoffice.gov.uk/>. In particular you are encouraged to undertake a self assessment of your eligibility to work in the UK using the link to www.ukba.homeoffice.gov.uk/pointscalculator.

Terms & Conditions

The Terms and Conditions of Employment can be viewed on line by visiting <http://www.exeter.ac.uk/staff/employment/conditions/terms/>

Pensions

Membership of the Universities' Superannuation Scheme (USS) is automatic provided that you meet the qualifying criteria for membership. Please note that this scheme will be changing from April 2016 and for more information please go to <https://forthefuture.uss.co.uk>. Staff automatically become members and employee contributions will be taken from your pay unless you opt out in accordance with the current rules of the scheme. The USS benefit structure up to 31 March 2016 is as follows: The USS is a contracted-out scheme with two sections: Final Salary and Career Revalued Benefits; which section you will be eligible for will depend on any previous membership of USS. An information leaflet concerning the qualification rules for both the sections is enclosed; more detailed information about the USS scheme structure can be found at www.uss.co.uk. **IF you have been in USS before, you are strongly requested to contact the Pay and Benefits Office as soon as you can so that possible membership of the Final Salary benefits section can be investigated.** The University, as your employer, contributes such sums as will be required to maintain the full benefits of the scheme. You may opt out of the scheme and if you wish to do so, you should contact the Pay and Benefits Manager, Mrs Alison Rose (01392 263088/email a.j.rose@exeter.ac.uk) for further information.

Relocation

You may be able to claim relocation expenses in accordance with the University's Relocation Assistance Scheme. The maximum allowance that you can reclaim under the Relocation Assistance Scheme, if eligible, is 10% of salary.

Short-listing Information

We will acknowledge your application by email. The University of Exeter recognises the time and effort taken to apply for a position and will contact you by email to inform you of results of shortlisting

Application Procedure and Interview Information

The closing date for completed applications is **31 January 2016**.

Data Protection Act (1998)

The information contained within your application is being requested to enable the University to make employment decisions and meet statutory obligations. Any information provided to the University in this context will be treated confidentially and used only by manager(s), member of the University, Human Resources, Superannuation and Payroll during the course of your employment. Where the application relates to a post which is externally funded this information may be passed onto the relevant funding body.