UK Entrepreneurial University of the Year 2013/14
UK University of the Year 2012/13

University of Strathclyde Glasgow

Lecturer/Senior Lecturer in Water/Hydraulic Engineering

Department	Civil and Environmental Engineering		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Academic	Reference No	58493
Reports To	Head of Department	Grade:	7/8/9
Salary Range:	Lecturer: £34,956 - £48,327; Senior Lecturer: £49,772 - £55,998	Contract Type:	Open Contract
FTE:	1	Closing Date	Sunday, 2 April 2017

Job Advert

The Department of Civil and Environmental Engineering (CEE), University of Strathclyde is seeking to appoint a Lecturer/Senior Lecturer in Water/Hydraulic Engineering to provide excellence in research, teaching and knowledge exchange and to build upon our water expertise in the Centre for Water, Environment, Sustainability and Public Health. The Centre currently comprises two Professors, seven Senior Lecturers, four Lecturers, one Knowledge Exchange Fellow and one Research Fellow.

Over the last few years, the Department has seen considerable success in all aspects of academia and are ambitious to continue this upward trajectory. The Department is dynamic with a reputation for having a friendly and active research culture and a current population of around seventy PhD students.

You will join the department's Centre for Water, Environment, Sustainability and Public Health (WESP), building upon the centre's significant expertise in water engineering. At Strathclyde, you will build an internationally recognized, externally funded, research group and commit to teaching excellence. Expertise/Research interests from the following areas are particularly encouraged: Hydraulics, water distribution systems, water infrastructure (water and/or wastewater), catchment hydrology, advanced porous media/transport modeller, hydropower, groundwater transport/remediation. The successful candidate will have the ability to teach hydraulics to a high standard reflective of the Departments commitment to teaching excellence.

The successful candidate will have a strong track record of research excellence for their career stage in Water/Hydraulic Engineering. You will have experience in education or engineering practice, applying the most up-to-date experimental techniques, novel technologies or mathematical models to practical problems. For appointment at senior lecturer you will have a track record of attracting significant research funding and prior experience of delivering lectures and laboratories to a high standard.

Job Description

Brief Outline of Job:

Lecturer: To pursue and establish an independent and high quality research programme; to design and deliver a range of teaching materials and undertake student assessment activities; to engage in relevant professional and knowledge exchange activities; and to carry out administrative tasks assigned by the Head of Department/School.

Senior Lecturer: To lead a research programme of national/international excellence; to lead the design, development and delivery of a range of teaching programmes and undertake student assessment activities; to lead professional and knowledge exchange activities; and to carry out senior administrative tasks assigned by the Head of Department/School.

Main Activities/Responsibilities:

1.	Engage in individual and collaborative research, establishing a distinctive programme of research and disseminating results through regular publications in high impact journals, books and conference proceedings.
2.	Secure, as Principal Investigator or Co-Investigator, proposals to appropriate external bodies for research funding and manage grants awarded, building and maintaining a research team.
3.	Design and deliver a range of teaching materials at undergraduate and postgraduate levels, including contribution to curriculum review and enhancement, in a manner that supports a research-led approach to student learning.
4.	Undertake student assessment and examination activities, including the provision of appropriate feedback to students.
5.	Develop a portfolio of activity in water/hydraulic engineering in collaboration with non-academic stakeholders, including building and maintaining a network of stakeholder contacts. Promote knowledge transfer of research in water/hydraulic engineering that has the potential to provide impact within the civil/environmental engineering sector.
6.	Carry out Department/School, Faculty and/or University administrative and management functions, for example through membership of committees and/or by acting as class/module/year co-ordinator.
7.	Promote the University's internationalization agenda and University's international reputation
8.	Mentor early career academic staff in research, teaching and KE, specifically within fields related to, and within, water/hydraulic engineering (Senior Lecturer).
9.	Collaborate with members of the Centre, Department and across the University as appropriate to enhance the University's reputation in water related research. Participate in Faculty/University wide initiatives
10.	Design and organisation of curricula and syllabuses in water/hydraulic engineering as required
11.	For appointments at Senior Lectureship level, provide academic leadership with respect to points 1, 3, 4 and 6

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)

E.1	Good honours degree and PhD (or significant relevant professional experience) in an engineering related discipline.
D.1	Membership of relevant Chartered/professional bodies (including the Higher Education Academy)

Experience

E.2	Significant experience and expertise in the fields of water or hydraulic engineering
E.3	Experience of successful teaching, tutoring or demonstrating at undergraduate and/or postgraduate level commensurate with career stage.
D.2	Experience of developing and maintaining significant engagement with industry, including attracting industry support and track record of maintaining a network of industry contacts/collaborations (Senior lecturer)

Job Related Skills and Achievements

E.4	A body (L)/sustained track record (SL) of published research in high quality publications in water/hydraulic engineering, demonstrating standards of excellence.
E.5	An ability to secure (L)/track record of securing (SL) research funding through relevant successful research grant applications.
E.6	Expertise in water and/or hydraulic engineering
E.7	Ability to generate original research questions in the field of water/hydraulic engineering, including ones that will lead to grant winning. The ability to develop a successful portfolio of research activity in water/hydraulic engineering

E.8	Ability to teach hydraulics (including fluid mechanics, pipes, open flow, hydraulics) to a high standard reflective of the Department's commitment to teaching excellence
E.9	The ability to coordinate and provide leadership in design and delivery of water related components of the postgraduate and undergraduate curriculum
D.3	Expertise in one or more of the following subjects: hydraulics, water distribution systems, water infrastructure (water and/or wastewater), catchment hydrology, advanced porous media/transport modeller, hydropower, groundwater transport/remediation or cognate disciplines
Personal Attributes	
E.10	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.
E.11	Ability to operate as part of a team and as an individual to work effectively towards department goals.
E.12	The ability to contribute to strategic departmental management
Other Relevant Factors	
E.13	Desire to collaborate with colleagues across the Centre/Department/Faculty/University thus strengthening our water related research
E.14	Research interests which will strengthen the Department's water related research within the Centre for Water, Environment, Sustainability and Public Health

Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted before interview 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 Professor Vernon Phoenix, Director of Centre for Water Environment, Sustainability and Public Health (vernon.phoenix@strath.ac.uk, 0141 548 3050)

Conditions of Employment

Conditions of employment relating to the Academic staff category can be found at: Conditions of Employment.

Pre-employment health screening

An offer of appointment will be subject to a medical assessment by Occupational Health. An individual who accepts an offer of employment must complete a confidential medical questionnaire and forward it to the Occupational Health Nurse within 5 days of receipt. If further information is required the individual may be contacted by the OHN or a Medical Advisor and a personal appointment with the individual may be arranged. An unconditional contract of employment will not be issued until Human Resources receives confirmation that applicant is fit to undertake the duties of the post.

Probation

Where applicable, the successful applicant will be required to serve a 3 year 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.

Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The Department of Civil & Environmental Engineering currently holds a Silver Athena SWAN award, recognising our commitment to advancing women's careers in science, technology, engineering, maths and medicine (STEMM) employment in academia.

The University of Strathclyde currently holds a Bronze Athena SWAN award.