

Lecturer/Senior Lecturer/Reader in Energy Engineering

Salary Range: Lecturer: £45,040 - £50,190 p.a.
Senior Lecturer and Reader: Minimum starting salary £55,340 p.a.

The Department of Chemical Engineering at Imperial College London is consistently recognised as world-leading, heading the ranking list in the last three UK Research Assessment Exercises, in 1996, 2001 and most recently 2008.

We attribute our success to the wide range of skills and expertise of our students and staff. Our research interests range from the microscopic to the megascale and we have expertise in mathematical analysis and modelling as well as in experimental investigation and measurement. Much of our research is collaborative and cross-disciplinary within and across departments and faculties, as well as with other Universities, and Industrial partners both in the United Kingdom and worldwide.

Major long-term funding by Qatar Petroleum and Shell International through the Qatar Carbonates and Carbon Storage Research Centre (QCCSRC, www.imperial.ac.uk/qccsrc) is enabling Imperial College London to expand its research into the cleaner use of fossil fuels - aimed in particular at improving the energy efficiency of oil and gas recovery closely coupled with reducing greenhouse gas emissions through advanced carbon storage technologies.

We are now inviting applications for a Lectureship/Senior Lectureship/Readership, to be held in the Department of Chemical Engineering. The successful applicant will have a proven world-class research track record and have preferably already demonstrated expertise in some aspect of Chemical Engineering relevant to the storage of carbon dioxide in underground reservoirs and have the capability to build up an innovative research activity. There is a strong preference for candidates who carry out experimental research, although the ability and interest to collaborate with the world-class modelling teams within QCCSRC, developing new approaches to fluid property prediction and flow in porous rocks from pore to reservoir scale, would be an advantage.

You will be expected to pursue your own research interests, to contribute to the teaching and administration in the Department and to be active and take on an academic leadership role in the activities of QCCSRC. Exciting opportunities exist for evaluation of engineering applications in a field environment in Qatar, to work closely with scientists and engineers in Shell International and Qatar Petroleum and also for research collaboration with academic institutions in Qatar. The Lecturer will also have the opportunity to contribute to the multidisciplinary Energy Futures Lab and the Grantham Institute for Climate Change.

Please direct any informal enquiries to the Programme Manager, Dr Iain Macdonald, by email to i.macdonald@imperial.ac.uk

Our preferred method of application is online via our website at <http://www3.imperial.ac.uk/employment> (please select "Job Search" then enter the job title or vacancy reference number **EN20140036AS** into "Keywords"). Please complete and upload an application form and in addition attach a full CV (including a list of publications) that covers any aspects of your career not covered by the online form, a statement of your research plans over the next 5 years (2 pages maximum) and a brief statement of your teaching interests (1 page maximum).

Closing date: 30 April 2014.

Imperial Managers lead by example (<http://bit.ly/163Lbh7>).

Committed to equality and valuing diversity. We are also an Athena SWAN Silver Award winner a Stonewall Diversity Champion and a Two Ticks Employer.

