Candidate Information

Position:	Lecturer in Energy (Sustainability and/or Storage), CCE
School/Department:	School of Chemistry and Chemical Engineering
Reference:	19/107497
Closing Date:	Tuesday 18 June 2019
Salary:	£36,261 - £50,132 per annum (potential to progress to £53,175 per annum through sustained exceptional contribution)
Anticipated Interview Date:	Tuesday 2 July 2019

JOB PURPOSE:

To undertake independent high level research in an area of Energy Sustainability which complements the School's priority research themes, and to deliver high-quality teaching and supervision, with a particular focus on teaching core Chemical Engineering.

MAJOR DUTIES:

Teaching:

1. Participate in normal teaching and assessment duties within the School of Chemistry and Chemical Engineering.
2. Make a strong contribution to the teaching of Chemical Engineering design and to the supervision of practical and project-based work.
3. Contribute to the development of new and innovative teaching delivery methods, including but not limited to new blended learning and research-led teaching methods.
4. Undertake initiatives to improve the overall student experience, by new methods of assessment, feedback, and student engagement.
5. Contribute to the development of new teaching materials at either undergraduate or postgraduate level which enhance the overall delivery of the programmes operated within the school.
6. Contribute to wider institutional teaching including cross faculty teaching and limited international teaching/support in areas relevant to the position.

Research:

1. Undertake high quality research which enhances the profile of the School and wider Institution and which supports the renewables and wider sustainable energy sector including, where appropriate, energy storage.
2. Secure appropriate external funding through research applications.
3. Regularly publish research in good-quality peer reviewed journals in the subject area, and present at national/international conferences.
4. Attract and supervise post-graduate research students and post-doctoral researchers.
5. Engage where relevant in knowledge transfer and innovation activity and demonstrate potential for research impact beyond the academic discipline.
6. Network and build effective collaborations, within the School, Faculty and University, and with external academic and industrial partners.

Administration/Contribution to the Community:

1. Carry out designated School educational and research related administrative duties including delivering appropriate administrative role(s) as required.
2. Contribute to the development and implementation of the School's research and education strategies.
3. Actively engage with and contribute to the full range of student recruitment and internationalisation activities, such as Open Days and taster events or international summer schools.
4. Participate in relevant committees at School, Faculty and University level.

ESSENTIAL CRITERIA:

1. Hold a BEng or equivalent in relevant discipline (e.g. Chemical/Mechanical/Energy engineering).
2. Hold a PhD in a relevant Engineering discipline or a closely related discipline.
3. Evidence of ability to deliver high quality undergraduate teaching.
4. Recent relevant research experience that complements the existing research within the School.
5. Record of publication of internationally excellent research outputs (commensurate with career stage).
6. Demonstrable involvement in securing research income.
7. Evidence of independent contribution in research projects and outputs and potential to establish an independent research programme.
8. Ability to communicate complex information effectively.
9. Ability to communicate effectively in English, both orally and in writing.
10. Evidence of good interpersonal skills and the ability to work both independently and as part of a team.

DESIRABLE CRITERIA:

1. Membership of the Energy Institute or similar.
2. PGCHET or equivalent teaching qualification or membership of professional teaching body eg HEA.
3. Industrial and/or commercialisation expertise.
4. A record of successful grant applications as principal investigator or co-investigator.
5. Evidence of successful contribution to PhD or Masters supervision.
6. A record of collaboration with and links to industry, or other activities aimed at achieving broader societal and economic impact.
7. Evidence of social engagement and outreach activities.