



THE POST

College/Service: College of Engineering, Mathematics and Physical Sciences

Post: Lecturer in Integrated Renewables (Education & Research)

Reference No: P71630

Grade: F

HERA: LEC

Reporting to: Head of Engineering

The above full time post is available 1st September 2020 in the Renewable Energies Group, Department of Engineering, College of Engineering, Mathematics and Physical Sciences, Penryn Campus.

Job Description

Main duties and accountabilities

1. To fulfil research, teaching and administration duties as a lecturer in Renewable Energy.
2. To extend the group research profile in applied Solar Energy and related areas, especially in smart renewable energy integration into the building, adaptive glazings, low energy building adaptation, electrical vehicles, and/or performance and durability of solar technology, including attracting and supervising post-doctorate researchers and postgraduate research students.
3. To collaborate with colleagues both within the College and the University of Exeter as a whole in order to develop and support Renewable Energy 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 research and act as 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, and

Win research earnings through carefully prepared and successful grant applications as well as identifying potential income-generating programmes and collaborative partnerships.

2. To present research findings at national and/or international conferences and/or other related key events in the area and to attract and supervise high quality research students in the area.
3. 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.
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 engage national and international stakeholder to enhance academic and non-academic impacts of research, technology transfer and public engagement activities.
6. To contribute to the further and ongoing development of renewable energy research at Exeter, Penryn Campus, especially the area of adaptive glazing in buildings and applied solar energy.

Teaching

To deliver undergraduate and postgraduate courses to appropriate academic standards such that:

1. Knowledge acquired from research translates to teaching
2. Students are challenged but also tutored and supported with individual care
3. Teaching and learning techniques are 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
7. Supervise undergraduate/postgraduate research projects

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, the engineering discipline and in particular renewable energy at the Penryn Campus
3. Supporting 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 or equivalent in Engineering, Physical Science or other appropriate area.
2. Sufficient knowledge in Electrical engineering, adaptive glazing for the built environment and solar energy integration in buildings and/or performance modelling of solar energy technologies to develop teaching and research programmes

3. A strong record in attracting research funding, or demonstrable potential to attract such funding.
4. Teamwork skills to work in collaboration with existing group members
5. 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 other educational bodies, professional institutions and employers
6. The attitude and ability to engage in continuous professional development
7. The aptitude to develop familiarity with a variety of strategies to promote and assess learning
8. Enthusiasm for delivering undergraduate and postgraduate programmes
9. An understanding of the importance of equality and diversity within an organisation and a commitment to helping create an inclusive culture

Terms & Conditions

Our Terms and Conditions of Employment can be viewed [here](#).

Further Information

Please see our [website](#) for further information on working at the University of Exeter.