Applications are invited from suitably qualified candidates for the following position:

**Assistant Professor in Sustainable Systems & Energy Engineering**

**School of Mechanical Engineering**

**(Fixed Term 5 Year Contract)**

**Introduction**

Dublin City University ([www.dcu.ie](http://www.dcu.ie)) is a research-intensive, globally-engaged, dynamic institution that is distinguished by both the quality and impact of its graduates and its focus on the translation of knowledge into societal and economic benefit. DCU prepares its students well for success in life, and in the workplace, by providing a high-quality, rounded education appropriate to the challenges and opportunities of the 21st century. As Ireland’s University of Enterprise and Transformation, DCU is characterised by a focus on innovation and entrepreneurship and a track-record of effective engagement with the enterprise sector, including commercial, social and cultural enterprises. Excellence in its education and research activities has led to DCU’s consistent position in the rankings of the world’s top young universities. DCU has a strong track record in attracting both Irish and European Union funding under FP7, Horizon 2020, Marie Curie Actions and Erasmus. We offer a dynamic and internationally focused environment in which to advance your academic career.

Dublin City University’s Strategic Plan places sustainability at the core of the University’s strategic mission fostering education and research in line with the UN sustainable development goals and key themes. The Faculty of Engineering and Computing at Dublin City University is home to the Schools of Computing, Mechanical and Manufacturing Engineering and Electronic Engineering and hosts or participates in a number of large scale SFI research centres, including: INSIGHT (Data Analytics), ADAPT, and I-Form and BioDesign Europe. We offer programmes at Bachelors, Masters and PhD levels and our graduates are highly sought after by industry both nationally and internationally. Our teaching, learning and research activities are about transforming lives and societies.
School of Mechanical Engineering

The School of Mechanical & Manufacturing Engineering has been at the forefront of Teaching, Learning, Research and Innovation in engineering since its establishment in 1987. Current programmes include Mechanical and Manufacturing Engineering, Biomedical Engineering and Mechatronics. The School is a research-intensive school that is home to key researchers affiliate to the research centres listed above and also to ESIPP, MEDeng and the Water Institute, and has particular strengths in Biomedical Engineering, Advanced Manufacturing and Sustainable Systems and Energy. At postgraduate levels the school offers taught Master’s programmes with Majors in Biomedical Engineering, Simulation Driven Design and Sustainable Systems and Energy, each also with a pathway integrated with bachelor’s degrees.

Role Profile

The School of Mechanical and Manufacturing Engineering is seeking to recruit a talented and enthusiastic Assistant Professor in Sustainable Systems/ Energy. The candidate should be motivated to direct and develop modules at both undergraduate and postgraduate level in the areas of Renewable Energy, Sustainable Systems, Energy Auditing/Management and Life Cycle Analysis. We are particularly interested in applicants who have experience in teaching and established research in the area of Renewable Energy Systems, Energy Auditing and Life Cycle Analysis. The post holder will be expected to align research and knowledge transfer activities with DCU’s Sustainable Systems and Energy Research Group. This group’s research activities include Renewable Energy, Hydrogen and Fuel Cells, Energy Auditing, Sustainable Water and Wastewater systems, Energy System Integration, Desalination, Sustainable Coatings, Heat Pumps and Life Cycle Analysis.

Research and Scholarship

The appointee will be expected to have clearly articulated research interests and research profile development plans within the scope of the Sustainable Systems and Energy research that support Faculty/University’s strategic plan. They will be expected to sustain and conduct research, engage in scholarship of quality and substance, generate research income, supervise postgraduate students and publish to the highest international standard.

Teaching and Learning

The appointee will be expected to contribute directly to undergraduate and master’s level programmes through research-led teaching, on-line delivery modes, supervision of laboratory sessions, student mentoring and supervision of capstones projects. Our Sustainability programmes prepares graduates with the knowledge and aptitude to meet the changing world of sustainability and the growing global difficulty of transitioning to a zero carbon through environmentally sound, reliable, affordable and sustainable energy systems.
**Service and Contribution to University and Society**

Activities taken on the successful candidate’s own initiative, or allocated by the Head of School, may include:

- Participating and collaborate in school and university meetings,
- Representing the School in marketing and the recruitment of students,
- Developing relationships with stakeholders within and outside the University.

**Duties and Responsibilities:**

Please refer to the Job Description for the list of Duties & Responsibilities

**Qualifications & Experience**

- Will hold an honours degree in a relevant discipline, and be qualified to PhD level with a specialism in Sustainable Systems/ Energy or a closely related discipline.
- Teaching experience, ideally including experience of content generation, exam preparation and assessment, project supervision and the use of online teaching platforms and technology assisted learning
- Internationally relevant research track record

**Mandatory Training**

The appointee will be required to undertake the following mandatory compliance training: GDPR; Orientation, and Compliance. Other training may need to be undertaken when required.

**Informal Enquiries to:**

Dr. Brian Corcoran, Head of the School of Mechanical Engineering

E-mail: brian.corcoran@dcu.ie

*Please do not send applications to this email address, instead apply as described below.

**Further information:**

More information on the School, including specific areas of research expertise and details of taught programmes, may be found at:

[www.dcu.ie/mechanical_engineering/index.shtml](http://www.dcu.ie/mechanical_engineering/index.shtml)

**Salary Scales:**

Assistant Professor above bar: €53,101 - €84,492

Assistant Professor below bar: €39,808 - €54,725
Appointment will be commensurate with qualifications and experience and in line with current Government pay policy.

Closing date: 19th June 2020

Application Procedure:

Application forms are available from the DCU Current Vacancies website at http://www4.dcu.ie/hr/vacancies/current.shtml

Please clearly state the role that you are applying for in your application and email subject line: Job Ref #BC0507 Assistant Professor in Sustainable Systems & Energy Engineering

Applications should be submitted by e-mail to hr.applications@dcu.ie

Dublin City University is an equal opportunities employer and is dedicated to promoting gender equality reflected in its attainment of the Athena SWAN Bronze Award. Information on a range of university policies aimed at creating a supportive and flexible work environment are available at www4.dcu.ie/policies/policy-starter-packs.shtml.