



School of Mechanical and Manufacturing Engineering
Assistant Professor in Biomedical Engineering
&
Design/Innovation or Sustainable Engineering
(5 year fixed term contract x 2)

Introduction

Dublin City University (www.dcu.ie) is a young, dynamic and ambitious university with a distinctive mission to transform lives and societies through education, research and innovation. DCU is a research-intensive, globally-engaged 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 for success in life, and in the workplace, by providing a high-quality education appropriate to solving grand global challenges of the 21st century.

Excellence in its education and research activities has led to DCU's consistent presence in the rankings of the world's top young universities. It has been placed in the top 50 international universities under 50 years old in the QS 'Top 50 Under 50' rankings for the past four years.

DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework Programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which to advance your academic career.

The School of Mechanical and Manufacturing Engineering is a research-intensive school that is home to key researchers in research centres such as MEDeng, Déantús, INSIGHT, ESIPP, The Water Institute and Water is Life in addition to particular strengths in Biomedical Engineering, Advanced Manufacturing and Sustainable Systems Engineering. The School also has strong degree offerings at undergraduate level including Biomedical Engineering, Mechanical and Manufacturing Engineering and Mechatronic Engineering (in conjunction with the School of Electronic Engineering). At postgraduate levels the school offers a taught Masters programme in Mechanical and Manufacturing Engineering with plans to develop additional offerings.

The Role

The School of Mechanical and Manufacturing Engineering is seeking to recruit talented and enthusiastic lecturers in Biomedical Engineering, Design and Innovation and Sustainable Engineering. The candidates should have a postgraduate degree and a proven research background and interest in one or more of the above areas and their research could be supplemented by experience in industry.

Research centres within the School broadly cover activities of staff associated within four academic groups: Biomedical Design and Manufacturing; Solid Mechanics and Materials; Thermo-Fluids and Energy; and Dynamics and Control. Ideally, the candidates will be

expected to bring expertise which aligns with these groups and enable collaboration with the activities of the other national and international partners.

The appointee will be expected to have clearly articulated research interests and research profile development plans that support the schools current research activities and the University's strategic plan. He/she will be expected to sustain and conduct research, engage in scholarship of quality and substance, generate research income, supervise postgraduate students and publish to international standard.

The candidate's major role in teaching will be to contribute to core mechanical engineering, systems design, design thinking, creativity and innovation. The appointee will also contribute to MEng programmes in Mechanical and Manufacturing Engineering. Applicants must provide a one-page statement describing the candidate's areas of research expertise and any previous experience of teaching including some indication of the number of students involved and examples of assessment activities undertaken.

The appointee will be expected to contribute directly to degree programmes through research-led teaching, supervision of laboratory sessions, student mentoring and supervision of capstone projects. Specifically the successful applicant will be required to (*inter alia*):

- Prepare, deliver and assess a wide range of core Mechanical Engineering subjects at undergraduate and postgraduate levels.
- Supervise undergraduate and postgraduate projects.
- Liaise with other module co-ordinators on course development and delivery and participate in the ongoing development of programmes.
- Contribute to the school, faculty and university in terms of strategic planning, quality review and improvement processes and external programme accreditations.
- Contribute to the profession by involvement with appropriate professional institution(s) and associated initiatives.
- Engagement in high quality research activities (publications in high impact factor journals, and presentations at national and international conferences).
- Have the ability to establish an independent research programme and attract research funding from competitive research funding schemes and/or industry.
- Support International Activities and be willing to travel internationally.

Job Requirements

- Must hold an honours degree in a relevant discipline, and be qualified to a post-graduate level with a PhD specialism in Biomedical Engineering, Mechanical Engineering or a related discipline.
- Teaching experience, ideally including experience of content generation, exam preparation and assessment, project supervision
- Relevant research track record

Informal Enquiries to Dr. Brian Corcoran

Email: Brian.corcoran@dcu.ie

Further information:

More information on the School of Mechanical and Manufacturing Engineering and its programmes can be found at: www.dcu.ie/mechanicalengineering.

Salary Scales:

Lecturer above bar: €51,159 - €79,147*

Lecturer below bar: €38,352 - €52,724*

* Appointment will be commensurate with qualifications and experience, and will be made on the appropriate point of the Lecturer Above Bar or Lecturer Below Bar salary scale in line with current Government pay policy.

Application Procedure:

Application forms are available from the DCU Current Vacancies (Open Competitions) website at <http://www4.dcu.ie/hr/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0)1 700 5149; Fax: +353 (0)1 7005500 Email: hr.applications@dcu.ie

Application Deadline: 24th July 2017

Please clearly state the role that you are applying for in your application and email subject line: Job Ref # 602 Lecturer/Assistant Professor in Biomedical Engineering and Design/Innovation or Sustainable Engineering

Applications should be submitted by e-mail to hr.applications@dcu.ie or by Fax: +353 (0)1700 5500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

Dublin City University is an equal opportunities employer