



**Assistant Professor in the School of Mechanical
& Manufacturing Engineering
(Fixed Term 5 Year Contract)**

Introduction

The School of Mechanical and Manufacturing Engineering is recruiting an Assistant Professor. The successful candidate will join a team of internationally recognised academics in the field of Mechanical and Manufacturing Engineering at Dublin City University.

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 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.

The School of Mechanical and Manufacturing Engineering is a research-intensive school that is home to internationally recognised researchers in research centres such as MEDeng, I-Form, 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 level, the school offers a taught Masters programme in Mechanical and Manufacturing Engineering (with plans to develop new innovative offerings) and a vibrant doctoral programme.

The Role

The School of Mechanical and Manufacturing Engineering is seeking to recruit a talented and enthusiastic lecturer in Innovative and Advanced Manufacturing or Biomedical Engineering. The candidates should have a doctoral degree and a proven research track record and their research could be supplemented by experience in industry.

Research centres within the School broadly cover activities of staff associated within academic groups: Innovative and Advanced/Additive Manufacturing, Innovative Medical Device Design and Advanced Materials, Factories of the Future, Industry 4 and Control. Ideally, the candidate will bring expertise which aligns with these groups and enables 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 Faculty/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 the highest international standard.

The candidate's major role in teaching will be to contribute to core mechanical engineering, advanced/additive manufacturing and materials or biomedical engineering; design creativity and innovation. The appointee will also contribute to curriculum redevelopment of undergraduate and MEng programmes in Innovative and Advanced Manufacturing, Factories of the Future/Industry 4 or biomedical engineering. Applicants must provide a statements describing their areas of research expertise and details of previous experience of teaching, including some indication of the number of students involved and examples of teaching and 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*):

- Have the ability to establish an independent research programme and attract research funding from internationally competitive research funding schemes and/or industry.
- Engage in high quality research activities (publishing in highly cited journals, as well as at influential conferences).
- Prepare, deliver and assess a wide range of core Mechanical, manufacturing or biomedical engineering subjects at undergraduate and postgraduate levels, through a variety of delivery modes and using a range of teaching methods.
- Supervise undergraduate and postgraduate projects.

- Support International activities and undertake travel to support partnerships, recruitment, outreach and transnational delivery of programmes.
- Liaise with other module co-ordinators on curriculum redevelopment and delivery and participate in the ongoing development of new programmes.
- Undertake CPD to develop both teaching and research/ research management skills.
- Undertake administrative functions related to the activities of the School, Faculty and the wider university. Such duties will be defined by the Head of School and may include some of the following: degree programme co-ordination; participation in committees; visits to students on industrial placement; student recruitment or outreach.
- 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.

Job Requirements

- Must hold an honours degree in a relevant discipline, and be qualified to PhD level with a specialism in Innovative Manufacturing, fields relating to Industry 4.0, Biomedical Engineering, 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

Application Procedure

Informal enquiries to the Head of School of Mechanical and Manufacturing Engineering: brian.corcoran@dcu.ie

Please do not send applications to this email address.

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

Salary Scales:

Lecturer above bar: €52,188 - €83,039*
Lecturer below bar: €39,123 - €53,784*

* 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.

Further information:

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

Closing date: 21st June 2019

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Please clearly state the role that you are applying for in your application and email subject line: Job Ref #BC0710 Assistant Professor in Mechanical & Manufacturing Engineering.

Applications should be submitted by e-mail to hr.applications@dcu.ie or by Fax: +353 (0)1 700 5500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

Dublin City University is an equal opportunities employer