



**Dublin City University
Faculty of Engineering and Computing
School of Mechanical and Manufacturing Engineering**

**Assistant Professorship
in Mechanical and Manufacturing Engineering
(2 Year Fixed Term Contract)**

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. A research-intensive, globally-engaged institution, it 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 education appropriate to solving global challenges of the 21st century.

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

The School of Mechanical and Manufacturing Engineering is a research-intensive school that is home to researchers and PhD students aligned with key research centres and partnerships including I-Form, INSIGHT, ESIPP, and The Water Institute and Water is Life. We have particular strengths in Advanced and Additive Manufacturing, Sustainable Systems Engineering and Biomedical Engineering. The School has strong degree offerings at undergraduate level in 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.

The Role

The appointee's major role in teaching will be to contribute to core mechanical and manufacturing engineering subjects, with an emphasis on blended and on-line delivery. The appointee will be expected to contribute directly to degree programmes through research-led teaching, supervision of laboratory sessions, student mentoring and supervision of capstones projects. The appointee will be expected to have clearly articulated research interests and strong research profile development plans that align with the school's current research activities and align with the University's strategic plan.

Specifically, the successful applicant will be required to (*inter alia*):

- Participate widely in School activities and contribute to the development of the School's profile in teaching and research.
- Conduct and sustain research, engage in scholarship of quality and substance, generate research income and publications in leading international academic journals, peer-reviewed conferences, and with high profile book publishers, both individually and, where appropriate, in collaboration with colleagues in DCU and elsewhere.
- Work proactively in improving existing courses and programmes, and contribute to the design and development of new courses and programmes.

- Develop resources required to facilitate student learning in a blended and on-line learning environment, and to undergo relevant training where appropriate.
- Deliver course content to students, including lectures, laboratories and tutorials at undergraduate and postgraduate levels in a manner consistent with DCU's high academic standards.
- Use a wide range of learning and teaching methodologies and assessment approaches which foster a positive and supportive learning environment for students.
- Support the internationalisation and transnational strategic initiatives of the University by travelling to our worldwide partner institutions to grow relationships and/or deliver programme content.
- Contribute to team effectiveness, leadership/management and administration.

Job Requirements

- Must hold an honours degree in a relevant discipline, and be qualified to a post-graduate level with a PhD specialism in Mechanical Engineering or a related discipline.
- Teaching experience at university level, ideally including experience in international and/or online or technology-assisted teaching.

Applications are specifically invited from those with strong research credentials and publication record, particularly in the research areas of **advanced manufacturing, robotics or energy systems**. The successful applicant will have demonstrated potential to establish an independent research programme and attract research funding from competitive research funding schemes and/or industry.

Applicants must also have demonstrated teaching experience at undergraduate and/or postgraduate level, ideally with expertise in subject areas that support the areas of advanced manufacturing (e.g. additive processing, industry 4.0 technologies/ robotics) or energy systems.

Design, innovation and enterprise-relevance are themes which pervade the School's activities, and are central to its vision. We aim to strengthen these through each staff appointment, so specific design, industry, and entrepreneurial experience are positively viewed.

Salary Scales:

Assistant Professor above bar:	€51,671 - €82,217*
Assistant Professor below bar:	€38,736 - €53,251*

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

Closing Date: 21st June 2018

Informal enquiries in relation to this role should be directed to:

Assoc. Prof. Brian Corcoran,
 Head of School,
 School of Mechanical and Manufacturing Engineering
 Email: brian.corcoran@dcu.ie

Further information:

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

Application Procedure

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.

Please clearly state the role that you are applying for, including the job reference, in your application and email subject line; Ref #903 Assistant Professorship in Mechanical and Manufacturing Engineering

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

Dublin City University is an equal opportunities employer.