



# Professor/Reader in Product Design Engineering

Department	Design, Manufacture and Engineering Management ( <a href="http://www.strath.ac.uk/engineering/designmanufacturingengineeringmanagement/">www.strath.ac.uk/engineering/designmanufacturingengineeringmanagement/</a> )		
Faculty	Faculty of Engineering ( <a href="http://www.strath.ac.uk/engineering/">www.strath.ac.uk/engineering/</a> )		
Staff Category	Academic	Reference No	637992
Reports To	Head of Department	Grade	I0
Salary Range	Salary commensurate with experience and standing	Contract Type	Open Contract
FTE	I (35 hours/week)	Closing Date	11/10/2024
Working Arrangements	Hybrid. The standard requirement across the University is that at least three days per week (based on IFTE) will be spent working on-site (with flexibility as appropriate).	On Site Facilities	Car parking, sports centre, catering.
Holidays	31 days + 11 statutory days Option to purchase additional holidays.		
Pensions	Contributory pension scheme available to all staff including generous employer contribution.		
Training	Professional Development with <a href="#">Organisational and Staff Development Unit</a> (OSDU) plus external training if required.		
Family Friendly Benefits	Generous parental leave provision, on-campus nursery and options for flexible working.		
Health and Wellbeing	University Sport centre, Occupational Health service, access to health and wellbeing events, cycle to work scheme, Employee Assistance Programme, agile working and established carers support network and carer friendly policies.		

## Job Advert

The Department of Design, Manufacturing and Engineering Management (DMEM) is seeking to appoint a Professor/Reader in Product Design Engineering. We provide a unique offering *Delivering Total Engineering* by embracing rich collaborative and multidisciplinary expertise, experiences, and skills from a set of perspectives from creative design, through to engineering design, manufacturing and management of the entire system lifecycle. DMEM also houses the UK's Advanced Forming Research Centre (AFRC), which is located off-campus at a dedicated site just outside Glasgow and is part of the UK's High Value Manufacturing Catapult and the National Manufacturing Institute Scotland (NMIS). We are proud of our substantial and well-established collaborations with academic and industrial partners throughout the world. With more than 150 staff including the technical specialist centres, more than 70 Postgraduate Research (PGR) students both PhD and EngD, and more than 650 students from over 30 nations, we are a vibrant, international community.

Are you passionate about working on global challenges and societal transitions, including issues such as net zero, health and wellbeing, food, energy and manufacturing systems? Are you willing to complement our thriving theory-driven and practice-based

research, outstanding learning and teaching with and for engineering leaders of the future? If so, we would love to hear from you. To support our ambitious plans, we are seeking new talent to join our expanding team.

DMEM has a strong team working across the field of design, ranging from industrial to engineering design and all aspects of design development. Design is a core discipline in DMEM for which the Department is internationally renowned for its world-class research and teaching.

The vacancy currently being advertised aims to complement existing expertise that focuses on Product Design Engineering and we are looking for specialisations including, but not limited to: (1) design process methodology, design methods and tools, (2) creative design and technologies, (3) design psychology and behavioural science, (4) design for manufacturing, or (5) mechanics, analysis, modelling and simulation, experimentation and computation, computer-based design systems (CAD/CAM/AI/Digital product design engineering/innovation).

As part of the University of Strathclyde, our vision is to be bold and ground-breaking, placing us amongst the world's leading international technological universities. We are vibrant, dynamic and passionate about solving the challenges facing society and industry through our cutting-edge, multi-disciplinary research, education and knowledge-exchange with global partners.

To be considered for the role you will be educated to PhD level in a relevant discipline and have significant relevant experience in addition to a relevant degree. You will have sound product design engineering knowledge and proven ability to collaborate with colleagues and industry (and wider society), understanding and meeting their needs and promoting innovation. You will have a body of published research in high quality publications, demonstrating standards of excellence and an ability to secure research funding, including experience of contributing to grant applications. You will have relevant teaching experience at undergraduate and/or postgraduate levels and an ability to work within an academic team environment and lead teams where required. You will have excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

## Job Description

### Brief Outline of Job:

As an acknowledged product design engineering expert/ leader: To lead a research programme of national/international excellence; to lead the design, development and delivery of a range of teaching programmes and undertake student assessment activities; to lead relevant professional and knowledge exchange activities; to collaborate with industry and policy makers on understanding the emerging issues for Product Design Engineering; to provide academic leadership and contribute at a strategic level to the work of the Department/School, Faculty and University; and to carry out senior administrative tasks, also called citizenship tasks, assigned by the Head of Department.

### Main Activities/Responsibilities:

1.	Lead research of international excellence in product design engineering, including the management of significant resources and activities (at professorial level, the programme of research will be internationally acclaimed).
2.	Provide strategic research leadership in the area of product design engineering to develop the Department/Faculty/University reputation and academic standing in this discipline (at professorial level this will include identifying, developing and leading significant research directions and projects).
3.	Lead an internationally acclaimed programme of research and disseminating results through regular and sustained publications in high impact journals, books and conference proceedings.
4.	Lead and secure as Principal Investigator or Co-Investigator substantial research grant funding and attract income through knowledge exchange activities.
5.	Oversee the design and delivery of educational degree curricula including assessing, marking, and supervising student projects, and playing a lead role in the development of educational strategy and operational standards.
6.	Lead the development of knowledge exchange activities and promote public engagement by, for example, establishing research and/or educational links with industry and influencing public policy and the professions at national and international level.
7.	Engage in, and where appropriate set the agenda in, national and international academic debates and within professional institutes, learned/practitioner societies and governmental committees.
8.	Contribute, at a strategic level, to the work of the Department, Faculty and University, for example through participation in the Department senior management team and by playing a lead role on University committees.
9.	Engage in continuous professional development.

## Person Specification

### Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Good honours degree and PhD (or equivalent) in appropriate discipline/s.

D1 Membership of relevant Chartered/professional bodies (including the Higher Education Academy).

### Experience

E2 Research interests consistent with the strategic direction of the Department/School/Faculty/University.

E3 An established international reputation as an expert and leader within specialist field.

E4 Ability to build an internationally leading research group and successfully manage and promote that group's research within an international arena.

E5 Extensive experience of delivering high quality teaching to undergraduate and postgraduate students and supervision of research students.

D2 Sustained track record of leading the development and delivery of large and varied educational programmes.

### Job Related Skills and Achievements

E6 An outstanding and inspiring record of achievement in research and publication recognised internationally.

E7 Proven ability to attract substantial research funding over a sustained period.

E8 Track record of multi/inter-disciplinary research collaborations and developing external partnerships.

E9 An established track record of project, budget and staff management.

D3 Established links with industry, learned societies, government and/or relevant Chartered/professional bodies.

### Personal Attributes

E10 Ability to think strategically and contribute at a senior level to the Department/School, Faculty and University.

E11 Excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

## Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job as well as a Research Plan outlining your research strategy for the next 5 years. Applicants should also complete the Equal Opportunities Monitoring Form.

## Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforum>).

Informal enquiries about the post can be directed to Professor Anja Maier, Head of Department ([anja.maier@strath.ac.uk](mailto:anja.maier@strath.ac.uk)).

### Conditions of Employment

Conditions of employment relating to the Academic staff category can be found at: [Conditions of Employment](#).

### Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

### Basic Disclosure

This role requires the satisfactory outcome of a Basic Disclosure Scotland Check. The successful applicant will be asked to carry out a Basic Disclosure Scotland Check. Whether an outcome is satisfactory will be determined by the University.

## Pre-employment health screening

An offer of appointment will be subject to a medical assessment by Occupational Health. An individual who accepts an offer of employment must complete a confidential medical questionnaire and forward it to the Occupational Health Nurse within 5 days of receipt. If further information is required the individual may be contacted by the OHN or a Medical Advisor and a personal appointment with the individual may be arranged. An unconditional contract of employment will not be issued until Human Resources receives confirmation that applicant is fit to undertake the duties of the post.

## Probation

Where applicable, the successful applicant will be required to serve a 12 month probationary period.

## Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

## Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

## Interviews

Formal interviews for this post will be held on 31 October 2024 or 1 November 2024.

## Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

## University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

