

Lecturer/Senior Lecturer – Engineering Management

| | | | |
|----------------|--|----------------|-----------------------|
| Department | Design, Manufacture and Engineering Management (www.strath.ac.uk/engineering/designmanufactureengineeringmanagement/) | | |
| Faculty | Faculty of Engineering (www.strath.ac.uk/engineering/) | | |
| Staff Category | Academic | Reference No | 418173 |
| Reports To | Head of Department | Grade: | 7/8/9 |
| Salary Range: | Lecturer £37,467 – £51,799 Senior Lecturer £53,348 - £60,022 | Contract Type: | Open Contract |
| FTE: | 1 (35 hours/week) | Closing Date | Sunday, 20 March 2022 |

Job Advert

The Department of Design, Manufacturing and Engineering Management (DMEM) is seeking to appoint a Lecturer/Senior Lecturer in Engineering Management. Lecturer/Senior Lecturer positions are tenured Assistant/Associate Professorships. This post is part of a wider recruitment strategy.

We provide a unique offering of combining end-to-end multidisciplinary expertise from creative design, through engineering design, manufacturing and management of the entire system. DMEM also hosts the UK's Advanced Forming Research Centre (AFRC), part of the National Manufacturing Institute Scotland (NMIS) and the UK's High Value Manufacturing Catapult. We are proud of our substantial and well-established collaborations with academic and industrial partners throughout the world. With more than 150 staff and more than 80 Postgraduate Research (PGR) students both PhD and EngD, and more than 650 students from over 30 nations, we are a vibrant, international community. Come join us.

Are you passionate about working on global challenge and societal transitions, including sustainability, health, food systems, manufacturing systems? And are you thriving on theory-driven and empirically-validated research excellence, learning and teaching with and for engineering leaders of the future? We'd love to hear from you. To support these ambitious plans, we are seeking new talent to join our expanding team. The position is aimed at researchers and academic staff from a technical background bridging business and social sciences, including engineering project-/programme-/portfolio and large- or mega project management, engineering technology and innovation management, supply chain and operations, or engineering systems management.

Over recent years, Strathclyde in general and DMEM in particular has positioned itself well to deliver across these areas with collaborative teams across the University incorporating resources and expertise from Business, Humanities and Social Sciences, Science and Engineering faculties. This capability is exemplified through cross-department and cross-faculty initiatives such as Strathclyde's Institute of Operations Management (SIOM), a joint initiative between the Department of Design, Manufacturing and Engineering Management (DMEM) from the Faculty of Engineering and the Strathclyde Business School, the EPSRC Centre for Continuous Manufacturing and Crystallisation (CMAC), the Scottish Institute for Remanufacturing (SIR), and the Advanced Forming Research Centre (AFRC), with opportunities to significantly the National Manufacturing Institute Scotland (NMIS), Glasgow City Innovation District (GCID), the Advanced Manufacturing Innovation District Scotland (AMIDS), and wider strategic engagements such as with the Ayrshire Regional Deal and the Rosyth Innovation Park.

The successful candidate is keen to build on this platform for further new initiatives and research excellence.

Major opportunities also include links with Health & Care Futures / Medicines Manufacturing Innovation Centre, large infrastructure investments Scotland and the UK, public-public-private large partnerships for the Global Goals (Goal 17) zero emission mobility innovations.

The Department has a strong international reputation for teaching and research, and is one of the premier departments in the UK. Our strong partnerships with industry, national and international academic partner institutions, and a variety of global research agencies, and governmental agencies ensure the industrial applicability of our courses and our research outputs, and enable us to provide our students with state-of-the-art teaching and learning facilities.

The Department currently utilises its own teaching and workshop facilities along with those provided by other Departments in the Faculty of Engineering and the University as a whole. DMEM students have access to a wide variety of design and (additive) manufacturing equipment in our multiple workshops and labs, e.g. the DMEM's Digital Design and Manufacturing Studio (DDMS). Across the street and green space from the James Weir building where our Department's facilities are housed, the University has most recently opened a £60 million state of the art Learning & Teaching hub, aimed at furthering our research and technology programmes. We emphasise through-life learning and offer multiple programmes, including Graduate Apprenticeships, Undergraduate, Postgraduate Taught, Distance Learning, Continuous Professional Development, and executive programmes comprised of modules across the themes of Design, Manufacturing and Engineering Management. Engineering Management is at the core of the Department's current offerings of 5 Post Graduate Taught (PGT) courses (including Supply Chain Engineering, Sustainability, Engineering Project Management, linking to Design Engineering, Digital Manufacturing and more, attracting over 40 PGT students/annum, providing 7 Undergraduate (UG) modules, and 14 PGT modules. We are the only Department in the UK with its UG programmes accredited by three professional institutions: the Institution of Engineering Designers (IED), the Institution of Engineering and Technology (IET), and the Institution of Mechanical Engineers (IMechE). For details on the programmes, see 'Study with Us' at <http://www.dmem.strath.ac.uk>.

We are part of the Faculty of Engineering in the University of Strathclyde, our vision is 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.

Successful candidates will be educated to a minimum of PhD level. Candidates will have a proven ability to collaborate well with colleagues and with industry, understanding and meeting its needs and promoting innovation. Candidates with an academic background will have a track record of relevant publications in good academic journals; those who have spent much of their career in industry should show an ability deliver projects showing significant originality and an ability to disseminate findings in well-written, well-referenced publications. Applicants will be excellent educators and mentors and will show leadership in identifying key research questions and attracting funding support. Applicants will have sound engineering knowledge, good judgment in and experience of successfully leading a team/s, with experience of developing engineering solutions and clearly communicating research findings.

Appointments will be made at a level appropriate to a successful candidate's experience and career stage. In addition to the position described here, the [Global Talent Programme](#) makes clear the University's commitment to attracting world leading academics to Scotland. The University is also committed to developing the next generation of leaders, nurturing talented individuals through the early stages of their career and providing the opportunities for professional rewards and 'making a difference'.

Job Description

Brief Outline of Job:

Lecturer: To pursue and establish an independent and high quality research programme in engineering management at the interface to design and manufacturing; to develop and deliver a range of teaching materials and undertake student assessment activities; to engage in relevant professional and knowledge exchange activities; to collaborate with industry and policy makers on understanding the emerging issues for Engineering Management; and to carry out administrative tasks, also called citizenship tasks, assigned by the Head of Department. Senior Lecturers are expected to take a leading role in the above activities and lead a research programme of national/international excellence.

Main Activities/Responsibilities:

| | |
|----|---|
| 1. | Lead individual and collaborative research activities, establishing a distinctive programme of research and disseminating results through regular publications in high impact journals, books and conference proceedings clearly positioned in one or more of the topic areas listed in the job advert. |
| 2. | Lead and secure, as Principal- or Co-Investigator, proposals to appropriate external bodies for research funding and manage grants awarded. |
| 3. | Supervise research students and staff as required, providing direction, support and guidance |
| 4. | Design and deliver a range of teaching materials at undergraduate and postgraduate levels, including contribution to curriculum review and enhancement, in a manner that supports a research-led approach to student learning. |
| 5. | Undertake student assessment and examination activities, including the provision of appropriate feedback to students. |

| | |
|----|---|
| 6. | Develop knowledge exchange activities by, for example, establishing research and/or educational links with industry and influencing public policy and the professions. |
| 7. | Carry out Department, Faculty and/or University administrative and management functions, for example through membership of committees and/or by acting as class/module/year co-ordinator. |
| 8. | Engage in continuous professional development. |
| 9. | Contribute to the strategic development of the Department through, for example, developing new research directions and/or educational courses. |

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

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

Experience

E2 Research interests consistent with the strategic direction of the Department

E3 A body of published research in high quality publications demonstrating standards of excellence

E4 Teaching experience at undergraduate and postgraduate levels, including experience of developing and managing large teaching programmes

D2 Experience of multi/inter-disciplinary research

D3 Experience of managing research/teaching activities and teams

D4 Experience of student assessment activities

D5 Experience of curriculum development

Job Related Skills and Achievements

E5 Track record of securing research funding and managing research projects

E6 Ability to play a senior role within an academic team environment and motivate and manage staff, with experience of leading teams of less experienced staff and research students

D6 Proven staff, budget and project management skills

D7 Track record in knowledge exchange related activities

Personal Attributes

E7 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 (<https://www.strath.ac.uk/workwithus/vacancies/>).

Informal enquiries about the post can be directed to Professor Anja Maier, Head of Department (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: 9 month probationary period for Grade 7, 12 month probationary period for Grades 8 & 9.

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 - to be confirmed

Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The University currently holds a Bronze Athena SWAN award, recognising our commitment to advancing gender equality in academia across all academic disciplines and professional and support functions.

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.

