NMIS National Manufacturing Institute Scotland

THE AWARDS 2019 WINNER UK UNIVERSITY OF THE YEAR FOR A SECOND TIME

Times Higher Education University of the Year 2012 & 2019
Times Higher Education Widening Participation Initiative of the Year 2019
The University of Strathclyde is rated a QS 5-star institution

THE SUNDAY TIMES GOOD UNIVERSITY GUIDE 2020 SCOTTISH UNIVERSITY OF THE YEAR

University of Strathclyde Glasgow

Senior Supply Chain Strategist*

Department	National Manufacturing Institute Scotland (NMIS) (https://www.nmis.scot/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Knowledge Exchange	Reference No	457295
Reports To	Anchoring Innovation Manager	Grade:	8*
Salary Range:	£42,149 - £51,799*	Contract Type:	Open Contract
FTE:	1 (35 hours/week)	Closing Date	24 August 2022
Holidays	31 days + 11 statutory days Option to purchase additional holidays	On Site Facilities	Car parking
Pensions	Contributory pension scheme available to all staff including generous employer contribution.		
Training	Professional Development with Organisational and Staff Development Unit (OSDU) plus external training if required		
Family Friendly Benefits	Generous parental leave provision and options for flexible working		
Health and Wellbeing	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 University of Strathclyde in Glasgow possesses a large internationally rated Engineering Faculty with a proud history of successful joint ventures with industrial and enterprise partners. As part of the University's strategic development the National Manufacturing Institute Scotland has been established.

The National Manufacturing Institute Scotland (NMIS) is a bold and ambitious industry-centred project to create an international centre of advanced manufacturing expertise and excellence where industry, academia and public-sector support agencies work together to transform skills, productivity, and innovation, making Scotland and the UK a global leader in advanced manufacturing.
NMIS will encompass a dedicated facility that will house the Manufacturing Skills Academy (MSA), Digital Factory and the Innovation Collaboratory. Along with this dedicated new facility, existing and developing research centres will also be part of the broader NMIS Group including the Advanced Forming Research Centre (AFRC) and the Lightweight Manufacturing Centre (LMC). The posts advertised here will be initially based in one of these centres.

The role will be part of the Supply Chain and Operational Transformation Team (SCOT), reporting to NMIS Anchoring Innovation Manager. The aim of the team being to develop a resilient and sustainable UK manufacturing Supply Base to meet current and future industrial and societal challenges through 4 pillars of development: Industrial Capability Assessment, Operational Support, Supply Chain Support and Anchoring Innovation.

To be considered for the role, you will be educated to a minimum of PhD level (or with equivalent experience) with substantial experience of the industrial engineering and manufacturing sectors. You will have knowledge of the business structures affecting how companies make decisions regarding investments and technical strategy, and you may have formal education in

Business Administration (e.g., MBA), Engineering Management or Management Science. You will have an understanding of the supply chain structure of at least one industrial sector (e.g., aerospace, automotive, oil & gas). You will have proven analytical and technological problem-solving skills, including the ability to extract information, manipulate and visualize large and complex datasets. You will be able to model and analyse supply and process chains to aid decision making and promote operational excellence in the industrial environment. You will have a proven track record of industrial and/or academic projects by successfully creating data-driven models to aid strategy and decision-making. You will have excellent interpersonal skills with the ability to influence people to develop consortia.

*Whilst we are seeking to recruit at Grade 8 level, applications from candidates with less experience may be considered at grade 7 level (£33,309-£40,927). Should the role be offered at this level, the duties below would be adjusted accordingly.

Job Description

Brief Outline of Job:

You will support the Anchoring Innovation manager to develop the NMIS position in developing initiatives to transition new manufacturing technology into the supply chains as well as inform the policy of government agencies such as High Value Manufacturing Catapult, Innovate UK and BEIS. Your work will help to guide the NMISs strategic direction.

You will work with manufacturing companies throughout Scotland and the UK either on a one-to-one, or as part of wider collaborative projects, with the objective of supporting the manufacturing supply base. As such, you will be expected to travel and work remotely.

You will have ability to analyse complex data including macro-economic data, company finance and performance. It will require you to have or develop expert knowledge of manufacturing supply chains.

You will develop and use a toolkit of methods that support the growth of Scottish and UK manufacturing supply base through analysis of national manufacturing capability, alignment of manufacturing capability with growth opportunities and support companies with the adoption of new manufacturing processes.

You will undertake projects on behalf of the NMIS regarding the performance and structure of manufacturing supply chains, the barriers, and challenges to the growth of the UKs manufacturing supply chains and particularly the barriers to adoption of new manufacturing technologies. You may be required to lead collaborative work programmes involving multiple organisations.

You will contribute to NMIS research funding targets by leading the development of funding proposals and by supporting other NMIS proposals by providing analysis of technology and supply chain opportunities.

Main Activities/Responsibilities:

1.	Work with the Anchoring Innovation manager to develop the programme's approach to manufacturing supply chain innovation support, addressing the needs of public organisations and manufacturing companies.
2.	Act as subject matter lead and expert for innovations in manufacturing supply base development, developing a strong understanding of the structure and dynamics of existing supply chains as well as the role of research centres in the development of new manufacturing supply chain capability.
3.	Work in developing initiatives to transition new manufacturing technology into the supply base as well as inform the policy of government agencies such as High Value Manufacturing Catapult, Innovate UK and BEIS.
4.	Analyse and extract complex data (e.g., industrial, macro-economic and manufacturing data, company finance and performance analytics) to provide advice on supply chain characteristics and aid decision making in industrial processes.
5.	Model supply and process chains to develop diagnostic tools and analytics insights with the aim to develop optimal decision making and data-driven strategies.
6.	Extract information from industrial products, process chain and supply chains by interacting with customers and stakeholders to develop process and supply chain maps.
7.	Identify and secure funding, including writing and preparing funding proposals, to deliver the Supply Chain strategy, through successful bidding into public collaborative R&D competitions and obtaining direct commercial funding for company specific work and manage funds awarded.
8.	Manage the delivery of research projects relating to Supply Chain ensuring projects are delivered within the time, scope and budget as agreed with the customer.

9.	Write reports of findings, often as lead author, for external organisations individually or collaboratively. Write up findings for additional dissemination such as and presentations at conferences. Write presentation and promotional material to communicate the NMIS work and expertise in innovation and manufacturing supply chains support.
10.	Work with industrial clients, other research centres and government bodies to promote the work of the NMIS manufacturing supply chain analysis and support activity, developing ideas for generating project income with a view to securing further funding.
11.	Manage and researchg a portfolio of SMEs, understanding their business and potential customer base relevant to them and identifying opportunities for development and growth, ensuring SMEs are advised appropriately to maximise development and growth opportunities.
12.	Plan and manage workload, with minimal guidance from NMIS senior staff and leaders.
13.	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 degree in a relevant discipline i.e ….
E2	A PhD in a relevant subject i.e. …, or equivalent industrial experience
D1	Additional Education/qualifications in Business Administration (e.g. MBA) or Management Science
D2	Membership of relevant Chartered/professional bodies (for example Higher Education Academy)
Experience	
E3	Experience of the industrial engineering and manufacturing sectors
E4	Knowledge of the business structures affecting how companies make decisions regarding investments and technical strategy
E5	Understanding of the supply chain structure of at least one industrial sector (e.g., aerospace, automotive, oil & gas)
E6	Experience in writing, delivering and winning bids to attract work from either direct funded (industry) and/or government sources
E7	Experience of interacting with a range of customers, suppliers, and sub-contractors to deliver complex high-budget projects
E8	Experience of collaboration with UK-based companies or industrial corporates
D3	Experience of leading multi-functional, distributed project delivery teams including leading teams where you do not have direct control of the resource.
D4	Experience of presenting to a range of audiences from different backgrounds and at all levels of seniority
D5	Direct experience in academic and industrial research or manufacturing environment
Job Related Skills and Achievements	
E9	Ability to work autonomously and plan and prioritize own workload with minimal input from higher management
E10	Ability to present to diverse audiences, communicate with a variety of stakeholders (from industrial CEOs to public bodies and academics) and effectively transfer skills and knowledge to others.
E11	Ability to co-ordinate team activities with colleagues at a range of levels across the organization.
E12	Ability to conduct individual knowledge exchange projects, work directly and independently with clients, and to prepare new knowledge exchange proposals.
E13	Proven analytical and technological problem-solving skills, including the ability to extract information, manipulate and visualize large and complex datasets.
E14	Model and analyse supply and process chains to aid decision making and promote operational excellence in the industrial environment.

E15	Proven track record of industrial and/or academic projects by successfully creating data-driven models to aid strategy and decision-making.
E16	Experience in Data analysis and Data Science for Decision Making in Industry
D6	Experience in Data Visualization and Data "Storytelling"
D7	Experience in Operational Research and Numerical Optimization
Personal Attributes	
E17	Proven analytical and interpretational skill, including the ability to effectively transfer knowledge to others
E18	Excellent verbal and written communication skills
E19	The ability to influence a variety of stakeholders
E20	The ability to work as part of a team

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 that 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. 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/workforus).

Informal enquiries about the post can be directed to Daniele Marini, Anchoring Innovation Manager (daniele.marini@strath.ac.uk).

Conditions of Employment

Conditions of employment relating to Knowledge Exchange Staff can be found here: 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.

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.

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.