



NMIS

National Manufacturing
Institute Scotland

Director – Digital Factory

Job Specification



Welcome

At the National Manufacturing Institute Scotland (NMIS) we aim to deliver ground-breaking manufacturing research to transform productivity levels, make companies more competitive and boost the skills of our current and future workforce. The role of Director – Digital Factory will help us deliver this vision.

We are seeking to appoint a dynamic and collaborative Director – Digital Factory to lead the acceleration of digital manufacturing innovation and industrial application across a wide range of manufacturing sectors. Together, we will accelerate the development of new technology to transform the way manufacturing is delivered, driving economic growth, creating jobs and inspiring the future generation of engineers.

Read on to find out more about the role and how to apply.

ABOUT US



The National Manufacturing Institute Scotland (NMIS) is the future of manufacturing at the heart of the Advanced Manufacturing Innovation District Scotland.

It is where industry, academia, and the public sector work together on ground-breaking manufacturing research to transform productivity levels, make companies more competitive and boost the skills of our current and future workforce.

Growing out of the Scottish Government's manufacturing action plan published in February 2016, NMIS is an integral part of the Making Scotland's Future programme.

NMIS will help employees and manufacturing leaders thrive in a changing manufacturing environment. NMIS' focus on digital manufacturing, automation and skills will bring benefits across multiple sectors. Industrial manufacturing businesses in aerospace, engineering, automotive, renewables and shipbuilding will particularly benefit, but NMIS will also support businesses in sectors such as oil and gas, chemicals, life sciences and food and drink.

NMIS is a truly collaborative project, with partners including the Scottish Government, Scottish Enterprise, Highlands and Islands Enterprise, Skills Development Scotland, the Scottish Funding Council, Renfrewshire Council and the UK Government through the High Value Manufacturing Catapult.

The University of Strathclyde is the host university for NMIS, which will link to the wider academic communities in Scotland through the Scottish Research Partnership in Engineering and across the UK High Value Manufacturing Catapult network.

DIGITAL FACTORY

The Digital Factory is a state-of-the-art research facility and digital innovation enterprise. The technical capabilities within the Digital Factory were designed in direct response to the needs of industry, offering a fully connected digital manufacturing environment and helping organisations to experience and integrate the latest Industry 4.0 technology into their operations.

ROLE OF THE DIRECTOR – DIGITAL FACTORY



The Director will provide the vision, leadership and entrepreneurial drive to ensure the Digital Factory delivers transformational capabilities to Scottish Industry and work with the wider HVM Catapult network to deliver similar improvement across the UK. The individual will establish the processes and culture that deliver a well-informed and bold research strategy, an effective programme delivery structure, and efficient operational management activity.

The Director will be responsible ensuring the ongoing financial sustainability of the Centre through membership, grant funding, and commercial income by engaging with local and international industrial partners, funding agencies and prospective partners/client at the highest level. The Director will also be responsible for establishing a strong research and technology transfer network, bringing together and channelling expertise from the University of Strathclyde, the network of Scottish Universities, Catapult centres, Industrial Partners and the wider UK research community.

This role is a fantastic opportunity for a strong leader to significantly accelerate digital manufacturing innovation and industrial application across a wide range of manufacturing sectors, many of which are currently failing to change at a pace that will allow them to remain globally competitive, or even survive.

PERSON SPECIFICATION

This high-profile role will require candidates who have the right blend of strategic vision, technical depth, operational rigour, people skills and business acumen to deliver programme commitments and achieve the impact expected from our government, academic and industrial stakeholders.

Key requirements are:

- Good honours degree and PhD or substantial professional experience in appropriate discipline/s.
- Strong business acumen.
- Research interests consistent with the strategic direction of the Centre, Faculty and University
- Proven track record of achievement at a senior professional level with proven ability to influence and shape strategic and operational delivery.
- Ability to build an internationally leading research group and successfully manage and promote that group's research within an international arena.
- Ability to oversee operations, marketing, finance, business development, and strategy of a research facility.
- Ability to develop and implement detailed business plans and programmes to meet long-term strategic goals
- Track record of delivering digital technology solutions
- Proven ability to attract substantial research funding, knowledge exchange contracts, and industrial commitments over a sustained period.
- Track record of multi/inter-disciplinary collaborations and developing external partnerships.
- Significant track record of project, budget and staff management.
- Ability to think strategically and contribute at a senior level to NMIS.
- 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.

REWARD AND EMPLOYEE BENEFITS



Rewards

We offer a competitive salary package at a level commensurate with your profile and experience. As well as the above, employment at the University of Strathclyde offers several excellent benefits including:

- Generous holiday entitlement of 31 days plus 11 public holidays, with the option to purchase additional holidays
- Membership of the Universities Superannuation Scheme, which includes a generous monthly employer contribution of 21.4%
- A generous relocation package available for those relocating from further afield

Career Development

Committed to being a 'place of useful learning', the University puts great emphasis on the learning and development of all our staff:

- Reduced or remitted fees on several vocational and non-vocational courses
- Access to the University Library's facilities and resources
- A wide range of professional development courses via the University's Organisation and Staff Development Unit and other in-house training providers

Family-Friendly Benefits

The University is committed to promoting and improving a healthy work-life balance for employees and we offer several benefits to staff with families:

- Generous maternity, paternity, adoption, and shared parental leave schemes offering above the statutory minimum requirements for qualifying staff
- Options for flexible and agile working

Health and Wellbeing

The University places high importance on the safety, wellbeing, and health of all our staff and offer a range of facilities and services to facilitate this:

- Reduced rates of membership to the University's Centre for Sport and Recreation
- Ross Priory Club
- Generous occupational sick pay provision
- Access to the Occupational Health Service and Employee Counselling Service
- Established carers support network and carer friendly policies
- Cycle to Work Scheme

UNIVERSITY OF STRATHCLYDE



Established more than 200 years ago 'for the good of mankind', the University of Strathclyde has always had a global outlook. The University is situated in the heart of Glasgow – one of the UK's largest cities – and its vibrant, international community includes 22,000 students and more than 3,000 staff from around 100 countries. Strathclyde is dedicated to 'useful learning' and is recognised internationally for its close working relationship with global businesses, and its partnerships with industry, government, and policymakers.

The University's academics are committed to working with partners to tackle the major research challenges of the 21st century, while developing the highly skilled graduates needed by industry and the professions. Its high-profile alumni include John Logie Baird, inventor of the world's television; James Blyth, the wind energy pioneer; David Livingstone, the medical missionary and explorer; Henry Faulds, originator of fingerprint identification; James 'Paraffin' Young, father of the oil industry; Dame Elish Angiolini QC, former Lord Advocate of Scotland; and Sir Tom Hunter, entrepreneur, and philanthropist.

Our Strategic Plan is designed to ensure that the University achieves its ambitions as a leading international technological university and that, through research, education and knowledge exchange, we remain engaged with public life globally as a place of useful learning. At Strathclyde, technologies combine the creation and development of materials, methods and processes with an understanding of how people and societies around the world use, adapt and respond to these. In addition to DHI, Strathclyde also hosts the Industrial Biotechnology Innovation Centre, and is the base for four of the Technology Strategy Board's Catapult centres which enable UK businesses, scientists, and engineers to work together. Committed to our staff and students, providing opportunities, and investing in their development.

OUR VALUES

The University is a place of useful learning where we value and are recognised as being:

People-oriented

Committed to our staff and students, providing opportunities and investing in their development.

Bold

Confident and challenging about what we do, and supportive of appropriate and managed risk in our decision-making.

Innovative

Focused on discovering and applying knowledge with impact and encouraging creative thinking and new ideas.

Collaborative

Working together, internally and externally, with integrity and in an open, respectful way.

Ambitious

For our institution, staff and students as well as supporting the ambitions of our partner



APPLICATION

To apply, please submit a detailed Curriculum Vitae (CV) along with a covering letter setting out your interest in the role and how your skills and experience match the person specification.

Your CV should cover your full career history and provide details of associated responsibilities and key achievements.

As part of the application process, you will be required to complete an application form, including the names, positions, organisations and telephone contact numbers of three referees who will be contacted before interview without permission, unless you indicate you would prefer otherwise.

Applications should be made online at: www.strath.ac.uk/workwithus/vacancies

For informal enquiries, please contact:

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