

NMIS Chief Technology Officer (CTO)

Centre	National Manufacturing Institute Scotland (NMIS) (https://www.nmis.scot/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Administrative and Professional	Reference No	483938
Reports To	NMIS CEO	Grade:	Senior Management
Salary Range:	Competitive	Contract Type:	Open Contract
FTE:	1 (35 hours/week)	Closing Date	Monday, 12 February 2024
Holidays	31 annual leave & 11 public holidays Option to purchase additional holidays		
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	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 University of Strathclyde is a leading international technological institution and has a long history of working with industry to deliver strong business growth from access to research and innovation expertise. The latest major initiative continuing to deliver on this track record is through the National Manufacturing Institute Scotland (NMIS).

As a magnet for innovation in advanced manufacturing, the National Manufacturing Institute Scotland (NMIS) group of specialist R&D centres, supports manufacturing, engineering and associated tech businesses of all sizes, to thrive domestically and internationally through accelerating productivity, embracing new digital technologies and achieving net-zero targets.

We turn smart ideas into reality and deliver ground-breaking research.

Coming from diverse backgrounds and disciplines, our passionate team works alongside industry, academia, and the public sector to solve problems, train the workforce of the future and generate the creative ideas that will transform manufacturing.

Ultimately, we are growing the economy, developing a vibrant and skilled talent pool and helping create prosperous, sustainable communities.

As a member of the NMIS Leadership Group, the NMIS CTO will lead the development and delivery of NMIS's research programmes ensuring that NMIS remains at the forefront on manufacturing innovation nationally and internationally. They will oversee the coordination of collaborative research with other NMIS affiliated research centres, providing the vision, leadership and drive to ensure NMIS delivers transformational capabilities to Scottish Industry, working with the wider HVM Catapult

network to deliver similar improvement across the UK. The NMIS CTO will embed processes and promote a culture that will deliver a well-informed and bold research strategy.

This role is a fantastic opportunity for a strong research 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.

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

Job Description

Brief Outline of Job:

The NMIS CTO will provide leadership and vision to realise NMIS' planned growth, coordinating the overall research strategy for NMIS and those of its specialist centres. They will be accountable to the NMIS CEO and will report regularly to the NMIS Board on research strategy and associated matters. As a member of NMIS they will operate to University and NMIS policies and processes to deliver agreed NMIS strategic objectives.

Main Activities/Responsibilities:

1.	Develop the technical strategy for NMIS including equipment and facility needs based on deep technical and sectoral analyses, ensuring alignment with impact and benefit to industrial partners and research capabilities of NMIS and academic capability across Scotland
2.	Develop and lead the core research programmes for DF2050 and the Innovation Collaboratory, allocating budget levels and staff resources across themes, and securing significant funding to support core budgets through national and international collaborations
3.	As part of the NMIS Leadership Group, contribute to the planning and delivery of the NMIS Facility and recruitment of staff within the Institute with a particular focus on research and innovation
4.	Lead, develop and implement appropriate systems for NMIS R&D management, to ensure the delivery to members and clients of a range of high-quality outputs at the forefront of manufacturing technologies
5.	Provide technical leadership in the delivery of NMIS objectives and targets, working closely with other members of the NMIS Leadership Group to ensure that appropriate capabilities and resources are in place to satisfy anticipated demands
6.	Liaise with other NMIS Group research centres to ensure alignment of research strategy to the broader NMIS offering
7.	Liaise with the NMIS Skills Director on NMIS educational offering including doctorate programmes, CPD and related programmes
8.	Disseminate NMIS research outputs to industrial partners, and the research community through leading international journals and other appropriate media, thereby contributing to the NMIS profile in manufacturing innovation
9.	Manage and develop relationships with senior technical leaders in manufacturers, university and research centre leaders, and programme managers in funding agencies, supporting the establishment of a leading standing in appropriate research circles
10.	Champion the equality and diversity agenda, including active engagement with initiatives such as Athena Swan
11.	Undertake role and lead others in keeping with the University's Values.
12.	Establish processes that ensure high skills & knowledge retention especially on high market value skills.
13.	Develop a sustainable annual business plan (for approval by the Board and NMIS), which is aligned to the strategic objectives of the Centre. Lead the implementation of the business plan, including setting of appropriate targets and key performance indicators, with regular business reviews and reporting of progress to plan.
14.	Enhance NMIS profile both nationally and internationally, and promote NMIS to potential members and clients, trade bodies, government agencies, funding bodies and research networks.
15.	Ensure NMIS at all times complies with its legal, regulatory and contractual obligations, including University policies and procedures.

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)	Essential/ Desirable	Assessment Method
Good honours degree and PhD or substantial professional experience in appropriate discipline/s.	Essential	Application/CV
Membership of relevant Chartered/professional bodies (including the Higher Education Academy).	Desirable	Application/CV
Experience		
Extensive relevant technical/research leadership experience with the ability to manage multiple groups of professionals with varying backgrounds and levels of experience	Essential	App/CV/ Interview
Extensive people leadership experience including supporting the development of professionals from different technical backgrounds	Essential	Application/CV
An extensive track record of achievement in industry-relevant research	Essential	Interview
Proven track record in developing, securing and managing large scale and complex research programmes	Essential	App/CV/ Interview
Experience in financial planning and controlling budgets	Essential	App/CV/ Interview
Job Related Skills and Achievements		
Proven track record of building and managing senior level relationships and excellent networker with a strong network across private industry, public, third and innovation sectors	Essential	App/CV/ Interview
Exceptional communication skills with the ability to articulate a vision and describe complex technical issues in an understandable and persuasive manner	Essential	Interview
Proven understanding of the academia-industry interface and how to transfer innovative concepts to solutions that meet the needs of industry	Essential	Interview
Ability to work collaboratively, foster relationships and influence a broad range of national and international partners	Essential	App/CV/ Interview
Personal Attributes		
Ability to think strategically and contribute at a senior level to NMIS.	Essential	Interview
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.	Essential	Interview

Application Procedure

More information on the role, process dates and how to apply can be found on the dedicated recruitment microsite at www.aspenpeople.co.uk/uos-nmis

Other Information

Further information on 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 Donogh O'Brien, Lauren Crichton or Katharine Price at our recruitment partners, Aspen People, on 0141 212 7555.

Conditions of Employment

Conditions of employment relating to the Administrative and Professional 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](#).

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

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.

