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JOB DESCRIPTION & PERSON SPECIFICATION	
Job Title: Senior Lecturer, Data Science and AI for Mechanical Processes	**Salary:** £49,534.00 - £59,644.00 per annum
Contract Length: Permanent	**Hours / FTE:** 37 / 1.0
Grade: 6	**Location:** High Holborn
Accountable to: Programme Director Computer and Data Science	**College/ Service:** UAL Creative Computing Institute

Purpose of the role

To be responsible to the **Programme Director Computer and Data Science** for:

- Specialised research and knowledge exchange in the field of machine condition monitoring
- Specific knowledge of machine learning, as applied to mechanical machines/processes
- Specific knowledge of signal processing knowledge, code writing (MATLAB, etc.)
- Research contribution to Computer and Data Science area as appropriate.
- Teaching contribution to Computer and Data Science programmes as appropriate
- Observing and implementing the policies and procedures of the University and the Institute.

Duties and Responsibilities

In consultation with academic, administrative, managerial and technical colleagues (as appropriate) to:

Professional
- Establish and maintain appropriate dialogues and relationships with the subject community (academic, governmental and commercial) and its audiences, nationally and internationally, continually updating knowledge of national academic developments, subject and skills, and relevant industrial and technological developments for the benefit of the course, colleagues and students.
- Undertake research and/or professional practice to maintain your subject currency as part of your own continuing professional development to ensure you maintain your position as a leader in your field, actively promoting and contributing to the professional and research profile of the Programme, as an individual and through research groups and / or consultancy projects.
- Support and contribute to the Institute and University's external profile.
- Make a constructive contribution to the development of the broader academic and cultural direction of the Institute as required.
- Make full use of all information and communication technologies in adherence to data protection policies to meet the requirements of the role and to promote organisational effectiveness.

Teaching
- To undertake teaching as appropriate to your areas of expertise and the subject areas of the Courses, Programme or College.
- To stay abreast of research and other developments in Data Science and AI and to ensure that these developments are reflected in the curriculum in consultation with colleagues and within the structures and mechanisms established by the University and the College.
- To extend the level of subject expertise and critical understanding on the Course so as to keep the curriculum at the forefront of practice and relevant to a diverse body of students.
- To conduct assessment, formative and summative, which is rigorous, fair and clear and complies with the policies established by the University and the College.
- To lead the organisation of assessment for stage as appropriate ensuring the rigour and parity of the process.
- To provide both academic and pastoral support to students, monitoring progress and attendance, and maintaining appropriate records.

Student Progression and Achievement
- In liaison with the Academic Administration Coordinator/Programme Manager, ensure that student records are maintained which are current, accurate and constructive.
- Be responsible for and, where appropriate, lead the recruitment and selection processes applicable to the Course, ensuring the correct delivery of the University Admissions Policy.

Entrepreneurship and Enterprise
- Promote a culture of enterprise within the Programme and amongst the student and staff community.
- Operate in a collegiate manner in liaising with appropriate colleagues (i.e. Enterprise Units & Development Team) in order to contribute to the income generating and related sponsorship activities of the University and Institute in areas that are directly related to their Academic Programme and areas of specialism.

In addition
- To perform such duties consistent with your role as may from time to time be assigned to you anywhere within the University.
- To undertake health and safety duties and responsibilities appropriate to the role.
- To work in accordance with the University's Equal Opportunities Policy and the Staff Charter, promoting equality and diversity in your work.
- To undertake continuous personal and professional development, and to support it for any staff you manage through effective use of the University's Planning, Review and Appraisal scheme and staff development opportunities.
- To make full use of all information and communication technologies in adherence to data protection policies to meet the requirements of the role and to promote organisational effectiveness.
- To conduct all financial matters associated with the role in accordance with the University's policies and procedures, as laid down in the Financial Regulations.

Key Working Relationships

- Research management staff
- Institute academic programme directors
- Institute academic staff
- External partners
- Students

Specific Management Responsibilities

Budgets
- Research project budgets as appropriate

Other (e.g. accommodation, equipment)
To ensure appropriate staff are taking action where following are in need of repair or maintenance:

- Academic office(s) and associated equipment, fixtures and fittings
- Studio(s) /labs and associated equipment, fixtures and fittings

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Person Specification	
Specialist Knowledge/Qualifications	Holds undergraduate and postgraduate degrees in relevant filed. (essential) **PhD in relevant field is essential.** Regarded as an authority in a field of specialism both by internal and external peers, through a track record of research and/or professional practice. Relevant teaching qualification and / or recognition within the field or HE environment for skills, experience or excellent practices in teaching and learning (HEA recognition, Academic Practice Qualifications, etc.) For suitable candidates these can be also gained in role within the first years of employment. (desirable) Knowledge of current developments and emerging concerns in the field of computing for machine condition monitoring.
Relevant Experience	Publications of 4* and 3* calibre (essential). Successful track record of grant capture (desirable) Leading research projects in machine learning, as applied to mechanical machines/processes. (desirable) Prior PhD supervision experience is helpful but not essential. Experience of structuring and ensuring timetables and resources effectively and with efficiency in mind. Applies an inquiring, innovative and reflexive approach to teaching. Considers equality, diversity and inclusivity in all aspects of teaching and assessment. Shows commitment to understanding the range of students' experiences within a course.

Leadership and Management and Teamwork	Motivates and leads a team effectively, setting clear objectives to manage performance. Collaborates and works effectively within team and across different professional groups. Works effectively and respectfully with a wide range of people. Fosters inclusive and constructive teamwork and problem-solving. Communicates effectively orally and in writing adapting the message for a diverse audience in an inclusive and accessible way. Builds effective teams, networks or communities of practice and fosters constructive cross team collaboration. Contributes to improving or adapting provision to enhance the student experience or customer service.
Research, Teaching and Learning	Evidence of **interdisciplinary research**, knowledge exchange and/ or professional practice that contributes to the advancement of **data science and AI** activity and is relevant to the goals of the Institute, College and University. Applies own research to develop learning and assessment practice. Applies innovative approaches to course leadership, teaching, learning or professional practice to support excellent teaching, pedagogy and inclusivity. Demonstrable ability of using contacts within subject peer group to develop partnerships or collaboration. Contributes to advancing professional practice/research or scholarly activity in own area of specialism.
Planning and managing resources	Plans, prioritises and manages resources effectively to achieve long term objectives.

Last Updated: March 2023