

# Job Description

**Job title: Senior Lecturer in Robotics and AI**

**Faculty of Technology, Arts and Culture**

**Grade: G**

**Role Profile: TR**

**Full time**

**Permanent**

	Duties of the role
<b>Overall purpose of the role</b>	<p>To contribute to the teaching of the theory and practice of robotics and artificial intelligence in our undergraduate and postgraduate programmes.</p> <p>To engage in research and consultancy within the School of Engineering and Sustainable Development.</p>
<b>Main duties and responsibilities</b>	<ul style="list-style-type: none"> <li>To contribute to the delivery of the School's provision across our undergraduate and postgraduate programmes.</li> <li>To develop learning and assessment materials for our programmes in Electronic Engineering, Mechatronics, Robotics, and related disciplines.</li> <li>To assess students at all academic levels and provide feedback in accordance with university policy.</li> <li>To engage in professional development with respect to teaching and learning skills and to work towards professional registration where appropriate.</li> <li>To supervise undergraduate and postgraduate students.</li> <li>To engage with industry and the research community.</li> <li>To contribute to external income generation through research and consultancy.</li> <li>To undertake administration and management duties commensurate with the role.</li> <li>To attend School and Faculty meetings as appropriate.</li> <li>To treat all DMU staff, students, contractors and visitors with dignity and respect.</li> <li>To provide a service that complies with the Equality Act 2010, eliminating unlawful discrimination, advancing equality of opportunity and fostering good relations with particular attention to the protected characteristics of age, disability, gender reassignment, marriage and civil partnership, pregnancy and maternity, race, religion or belief (or none), sex and sexual orientation.</li> <li>All members of staff are responsible for their contribution to improved environmental performance and in reducing greenhouse gas emissions at DMU. It is therefore required that all members of staff are aware of how the Environmental Policy relates to their own role at the university. Staff conduct must reflect the values inherent in the Environmental Policy and where required staff must cooperate with environmental compliance and conformance requirements to help minimise our emissions to air, water and land.</li> </ul>

# Person Specification

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Area of responsibility	Requirements	Essential or desirable		*Method of assessment			
				A	I	T	D
<b>Qualifications &amp; Training</b>	BEng, MEng or equivalent qualification in Electronic Engineering or a related discipline.	Essential		X			X
	A PhD or equivalent in Electronic Engineering or a related discipline.	Essential		X			X
<b>Previous Work Experience</b>	Experience in teaching robotics and AI in higher education.	Essential		X			
	Industrial experience in the development and applications of robotics.		Desirable	X	X		
<b>Specific Knowledge/Skills /Abilities/ Motivation/ Attitude Required</b>	Wide knowledge of the theory and applications of robotics and AI.	Essential		X	X		
	Experience in designing and implementing robotic systems.	Essential		X	X		
	Track record of successfully conducting high-quality research in robotics and AI.	Essential		X	X		
	Ability to take on curriculum development and programme leadership.	Essential		X	X		
	Ability to convey information, ideas	Essential		X	X		

Area of responsibility	Requirements	Essential or desirable	*Method of assessment			
			A	I	T	D
	and concepts using a variety of media to individuals and groups in an engaging manner.					
	Awareness of current teaching and learning methods.	Essential		X		
	Self-motivation, willingness to accept responsibility and to be responsive to feedback.	Essential		X		
	Ability to liaise with staff at all levels of seniority and experience.	Essential		X		
<b>Additional Requirements</b>	Strong programming skills.	Essential		X		
	Experience in teaching Control Engineering		Desirable	X		
	Experience in teaching image processing, machine learning, and computer vision.		Desirable	X		
	Ability to liaise with industry and professional bodies.		Desirable	X		

**\*A = Application Form; I = Interview; T = Test; D = Documentary Evidence**

