**Job Description**

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| **Job title:** | Lectureship in Mechatronics or Robotics |
| **Department/School:** | Mechanical Engineering |
| **Grade:** | Lecturer (Grade 8) |
| **Responsible to:** | Head of Department |
| **Location:** | University campus |

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| **Purpose of the job:** |
| It is important that the applicant supports the core engineering research and teaching activities in the Department. The post-holders will have a track record in research activities in **Mechatronics / Mechatronic Product Design or Robotics.**The post-holders will assist in the delivery of the Department’s undergraduate and postgraduate teaching programmes, and attract and supervise postgraduate research students. The post-holders will be expected to undertake research of international standing, to secure research grant income necessary to support such research, and to assist with administrative duties.The teaching will support the fundamental aspects of the relevant programmes of the Department of Mechanical Engineering across all years, including undergraduate laboratories, project and design activities. The candidate’s major role in teaching will be to contribute to units for the new studio-based MEng programme in Integrated Design Engineering. |

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| **Duties and Responsibilities:** |
| General: To aspire for excellence in research and teaching, in a specific field of engineering science.1. To conduct independent and/or collaborative research within the scope of Mechatronics / Mechatronic Product Design or Robotics, attract external funding, and publish in appropriate peer-reviewed and internationally-recognised academic journals.
2. To teach portions of the Mechanical Engineering syllabus related to the post, both at Masters and at undergraduate levels, e.g. set and mark studio-based open-ended mechatronic design coursework, set and mark associated examinations, etc.
3. To supervise Research Officers and PhD students.
4. Provide tutorial support for undergraduate design projects and contribute to the assessment process.
5. Supervise and assess undergraduate and postgraduate dissertations.
6. Deliver tutorial and pastoral support to students.
7. Contribute to departmental meetings and Boards of Examiners.
8. Undertake additional administrative roles as agreed with the Head of Department.
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| **Career and Professional Development Activities** |
| To contribute to the teaching and development of academic programmes at undergraduate and postgraduate level. To engage, through research and teaching, with knowledge transfer, continuous professional development, consultancy and other forms of external engagement, as appropriate.  |

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| **Source and nature of management provided**  |
| Head of Department. |

**Person Specification**

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| **Criteria** | **Essential** | **Desirable** | **Examples measured by** |
| **Qualifications** |  |  |  |
| PhD or equivalent in relevant disciplineUG degree in relevant discipline or equivalent qualification/experienceMembership of professional body (e.g. xx)Higher education teaching qualification or professional recognition (e.g. PGCert, FHEA or equivalent) | √√ | √√ |  |
| **Experience/Knowledge** |  |  |  |
| Substantial experience in relevant research fieldAn emerging track record in research in relevant subject commensurate with stage of careerDemonstrates depth and breadth of understanding of subject matters at a complex conceptual levelExperience of teaching at UG/PG level | √√ | √√ |  |
| **Skills** |  |  |  |
| Excellent written and verbal communication skills including presentation skillsExcellent interpersonal skills, communication style and team workingA creative research vision for development, implementation and delivery of successful research projectsAbility to supervise PhD studentsExcellent organisational and administrative skillsAbility to form positive working relationships within the University, community, business and other partners | √√√√√√ |  |  |
| **Attributes** |  |  |  |
| Commitment to excellence in research and teaching and to providing the highest quality experience for studentsCommitment to working within professional and ethical codes of conduct | √√ |  |  |