

JOB DESCRIPTION
Returnship into Engineering: Lectureship in Mechanical Engineering
Vacancy Ref: A2455

Job Title:	Lecturer in Mechanical Engineering	Grade: 7 / 8
Department/College:	Engineering	
Directly responsible to:	Prof Claudio Paoloni (Head of Engineering Department)	
Supervisory responsibility for:	Research team of typically 1 or 2 RAs and 2 or 3 PhD students	
Other contacts		
Internal:		
All Engineering staff, Students		
Departmental Research Groups (including but not limited to Structures, Materials & Manufacturing)		
University professional services.		
Materials Science Institute		
J4.0IC (Joining 4.0 Innovation Centre TWI-Lancaster University)		
External:		
Academia, Industry partners, manufacturers and users;		
Government Departments;		
Professional bodies, such as the IMechE, IET and UKRI funding bodies.		
Major Duties:		
To carry out high quality research in the Mechanical Engineering subject area and related fields, in support of planned and future department developments, including the Industry 4.0 concept and the departmental expansion plan.		
To work within and across disciplinary boundaries to tackle major Mechanical Engineering research challenges.		
To generate research income; to produce high quality research outputs at level of 3 or 4 stars for REF submission; and to build a research group in the field.		
To work with national and international partners to develop research of truly global impact.		
To contribute to the planning and delivery of innovative and stimulating teaching.		
Specific duties:		
1. To establish new/complementary departmental research themes in Mechanical Engineering and to contribute to the scoping and establishment of state of the art facilities. The work will be performed in collaboration with senior academics in the corresponding field;		
2. To develop laboratory facilities to support this research and associated teaching, collaborating closely with the Area Safety Officer in the development of safe systems of work for these laboratory facilities;		
3. To be proactive in identifying funding sources, writing cases for support, and making applications for research funding;		
4. To publish research outputs in high quality/high impact peer-reviewed learned journals;		
5. To inspire, enthuse and lead researchers and research students in Mechanical Engineering;		
6. To complement and contribute to existing taught programmes at undergraduate and postgraduate level in relevant areas of Mechanical Engineering, taking into account current trends for example in manufacturing, automation and resource use; and take an active part in the delivery and strategic direction of such courses;		
7. Administration of teaching and research according to the department strategy;		
8. To maximise the impact of your research and teaching, through engagement with relevant stakeholders;		
9. To promote Equality, Diversity Inclusion, and be committed to your own continuing professional development;		

10. To contribute to the wider objectives of the Engineering Department, at the discretion of the Head of Department.