JOB DESCRIPTION – Lecturer in Digital Manufacturing

Vacancy Ref: A2456

Job Title:	Lecturer in Digital Manufacturing	**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
Research Groups in areas relevant to Digital 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 RCUK funding bodies.

Major Duties:

To carry out high quality research in fields of Digital Manufacturing in support of the Industry 4.0 concept and the Engineering expansion plan.

To work within and across disciplinary boundaries to tackle major Digital Manufacturing research challenges. To generate research income, produce high quality papers at level of 3 or 4 stars for REF submission and 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 research route in Digital manufacturing and contribute in the setup 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. Writing grants and applications for research funding
4. Publication of top-quality, high-impact peer-reviewed journals.
5. To lead and inspire researchers and research students in Mechanical Engineering with broader scope in Digital manufacturing.
6. To complement and contribute to existing programmes at undergraduate and postgraduate level in relevant areas of Mechanical Engineering, taking into account the influence of policy and current trends in digital manufacturing, industry automation and processes. To 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 Engineering in Digital manufacturing engineering research, development and application, and to complement and enhance related activities in the Department.

9. To promote Equality, Diversity and 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.