UNIVERSITY OF LINCOLN
JOB DESCRIPTION

JOB TITLE	Senior Lecturer in Industrial Digitalisation				
DEPARTMENT	College of Science / School of Computer Science				
LOCATION	Brayford				
JOB NUMBER	COS488	**GRADE**	8	**DATE**	Dec 2017
REPORTS TO	Industrial Digitalisation Project Lead in Year 1, then Head of the School of Computer Science				

CONTEXT

The University of Lincoln is an ambitious institution with high aspirations. Its strategy is to combine outstanding, high-impact research with a superb student experience. It has gone beyond research-engaged teaching and learning by committing to its "student as producer" initiative.

Industrial Digitalisation, the embedding of modern information technology (ranging from AI to Big Data and IoT) into industrial processes from manufacturing to agriculture has potential value to the UK of £185 billion over the next 10 years, yet our workforce needs significant upskilling in this area in order to achieve these benefits.

'Industrial Digitalisation for the 21st Century' is a one year project supported by HEFCE Catalyst funding which builds on The University of Lincoln's strong industrial partnership network to create modules and curricula that equip students and workforce to meet the digitalisation challenges of the future.

This post will be the academic lead on this project, liaising with industry partners, academics and professional services staff to develop and deliver modules and curricula that meet future industrial digitalisation needs for technology specialists and non-specialists.

The post will be embedded in the School of Computer Science at the University of Lincoln, and is intended to continue indefinitely beyond the duration of the project funding pending successful and sustainable implementation in Year 1.

JOB PURPOSE

To provide academic leadership in developing an Industrial Digitalisation agenda for the University of Lincoln, initially under the auspices of the 1-year funded HEFCE Catalyst project.

To work with industrial partners, university colleagues and students to develop and deliver teaching and learning materials that allow students and work-based learners to contribute to the delivery and development of our curriculum at undergraduate and postgraduate levels.

To monitor and evaluate the effectiveness of teaching and learning materials, and engage with outreach and dissemination events.

To work across discipline boundaries to advance an industrial digitalisation agenda.

To develop strong relationships with relevant industrial partners, and extend the University's industrial network.

To undertake student tutoring and support.

To carry out additional activities, as required, in support of the academic work of the School of Computer Science.

This post is available on the Teaching and Research academic role profile or the Teaching, Scholarship and Professional Practice academic role profile.

KEY RESPONSIBILITIES

The responsibilities of a Senior Lecturer are wide ranging and may change over time according to the development needs of the department and the individual. Although in the first year of appointment this post will be highly focused on the industrial digitalisation agenda, its scope may broaden after the end of the project. In general a Senior Lecturer can expect to undertake any of the following:

TEACHING AND LEARNING SUPPORT

Engage in teaching on undergraduate and/or postgraduate level programmes as determined by the Line Manager. The range of teaching duties may change from time to time.

Take responsibility for the design, content and delivery of specific areas of teaching and learning and for the quality of teaching delivered.

Engage in interdisciplinary teaching and learning projects.

Ensure that teaching content is appropriately informed by current research and advanced scholarly activity and reflects the future needs of industry.

Collaborate with colleagues in the continuous review and development of the School's programmes.

Work in accordance with University policies and procedures to undertake assessment of students' work and give feedback.

RESEARCH AND SCHOLARLY ACTIVITY

Make a contribution to the research profile of the School or College and pursue a personal research programme consistent with the Department's research priorities.

Work with industrial partners to develop novel insights into educational needs of industry 4.0.

*Have sufficient outputs to be returned in the REF at agreed minimum standards inclusive of complex circumstances.

Collaborate in research activities and initiatives with colleagues in and beyond the department.

Engage in subject professional and pedagogy research as required to support teaching activities.

Ensure that outcomes of research and scholarly activity are appropriately disseminated in peer reviewed outlets.

Apply for external funding and manage, as appropriate, any externally funded projects which are secured.

Supervise and manage research projects if required.

*this is a requirement for staff on the Teaching and Research role profile

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LIAISON AND NETWORKING

Have a specific role to develop and extend an industrial network of partners interested in industrial digitalization.

Establish contacts within the wider community; disseminate knowledge through public activities which enhance the reputation of the School or College.

Participate in academic activities with industry and other external partners.

Comply with General Data Protection Regulation requirements in all working practices and maintain confidentiality as necessary.

Maintain and develop links with relevant professional bodies and academic groups.

Represent the School or College on appropriate external bodies.

Take part in relevant internal boards, committees and working groups at College or University level as required.

Liaise with subject librarians, central timetabling and other services to ensure resources available are appropriately deployed.

TEAM WORKING

Work as part of the project team to deliver the outputs of the Catalyst project

Act as a responsible team member, leading modules or programmes and coordinating the work of others to identify and respond to student needs.

May be expected to supervise the work of others and/or participate in peer observation of teaching.

STUDENT SUPPORT

Act as academic tutor to students as allocated by the Head of School and act as first line contact for them for advice and support on academic matters, ensuring that students are directed to relevant support services when necessary.

Supervise research degree students as appropriate.

Supervise student projects and placements as appropriate.

OTHER
Carry out specific departmental roles and functions as may reasonably be required – these being equitably distributed across the academic staff. A Senior Lecturer will typically take on a role of significant importance for the School such as a Programme Leader, Admissions Tutor or Industrial Placements Coordinator. Assist in student recruitment activities, including interviews, open days and external recruitment events. Engage in appropriate training programmes in the University. Actively follow and promote University policies. Participate in the staff appraisal scheme.

In addition to the above, undertake such duties as may reasonably be requested and that are commensurate with the nature and grade of the post.

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ADDITIONAL INFORMATION

SCOPE AND DIMENSIONS OF THE ROLE
All academic staff are expected to contribute fully to the School's focused approach towards research, publication and external income generation. The post-holder may be asked to contribute to the delivery of generic computer science modules as well as specialist modules in their own area of expertise. The School operates a notional workload allocation model of delivery 40%, research 40% and administration 20%. For early careers academics the administrative duties are kept to a minimum throughout the induction period. All lecturers are expected to develop their craft as a teacher and the University provides support and training for those new to lecturing and a portfolio-based route for experienced staff.

Key working relationships/networks	
Internal	**External**
• Project Lead (Year 1) • Head of School • Director of Research Centre • College Senior Academic Managers • School academic, administrative and technical staff • Support Services Staff	• Industrial Partners • Relevant academic and professional groups • Relevant national, regional and international networks • External Examiners

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PERSON SPECIFICATION

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Selection Criteria	**Essential (E) or Desirable (D)**	**Where Evidenced Application (A) Interview (I) Presentation (P) References (R)**
Qualifications:		
Relevant graduate degree, or equivalent experience	**E**	**A**
PhD in relevant discipline or equivalent demonstrated research record (normally by publication but where appropriate through professional achievement)	**D**	**A**
HE teaching qualification (HE PGCE or HEA fellowship) OR a commitment to complete one	**E**	**A**
Experience:		
Relevant teaching in Higher Education OR relevant professional experience	**E**	**A/I**
Relevant experience of application of digitalisation in industrial contexts	**E**	**A/I**
Curriculum development	**D**	**A/I**
Development and innovation of teaching and learning methods	**D**	**A/I**
Interdisciplinary work relevant to the School	**D**	**A/I**
Research interest in a relevant area of work	**D**	**A/I**
Research supervision	**D**	**A/I**
Proven record of outputs that would be returnable in the REF	**E**	**A/I**
Experience in developing new and meaningful industrial partnerships	**D**	**A/I**
Skills and Knowledge:		
Depth and breadth of subject understanding	**E**	**A/I**
Evidence of continuing professional development	**E**	**A/I**
Knowledge of Higher Education	**D**	**A/I**
Ability to teach and assess across the range of taught levels offered	**E**	**A/I**
Ability to contribute to curriculum development	**E**	**A/I**
Ability to support students in their study through academic counselling	**E**	**A/I**
Ability to supervise research students	**E**	**A/I**
Ability to work on own initiative	**E**	**A/I**
Excellent written and verbal communication skills	**E**	**A/I**
Good organisational and time management skills	**E**	**A/I**
Excellent influencing and negotiating skills	**E**	**A/I**

Competencies and Personal Attributes:		
Enthusiasm and commitment	**E**	**I**
Team working	**E**	**I**
Flexibility and adaptability	**E**	**I**

Essential Requirements are those, without which, a candidate would not be able to do the job. **Desirable Requirements** are those which would be useful for the post holder to possess and will be considered when more than one applicant meets the essential requirements.

Author	LJ	**HRBP**	SP