



**UNIVERSITY OF LINCOLN
JOB DESCRIPTION**

JOB TITLE	Senior Lecturer in Computer Science (Autonomous Systems)				
DEPARTMENT	School of Computer Science				
LOCATION	Brayford				
JOB NUMBER	COS657	GRADE	8	DATE	June 2019
REPORTS TO	Head of School				

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.

The School of Computer Science has an excellent reputation both in the quality of its published outputs and in generating external income to fund a range of innovative and impactful projects. The School's research is largely driven and managed through four focus areas that specialise in computer vision, robotics and autonomous systems, social computing/human-computer interaction and data science/machine learning. The post holder will join the Lincoln Centre for Autonomous Systems (L-CAS), led by Professor Tom Duckett. This research centre specialises in the integration of perception, learning, decision-making and control capabilities in autonomous systems such as robots, and the application of this research in fields such as personal robotics, food and agriculture, healthcare, security, and intelligent transportation.

The School offers undergraduate (BSc) and integrated masters (MComp) programmes in Computer Science and Games Computing, a Masters level (MSc) in Computer Science, and a new MSc in Robotics and Autonomous Systems. In 2017 we moved to new, purpose-built accommodation on the University's Brayford Pool development in the centre of Lincoln, providing an excellent training and research environment.

JOB PURPOSE

- To contribute to the research profile of the School, most especially in areas aligned to Autonomous Systems and the activities of the Lincoln Centre for Autonomous Systems (L-CAS) research centre.
- To contribute to the delivery and development of our curriculum at undergraduate and postgraduate levels, especially the School's new MSc in RAS.
- To work with colleagues on the advancement of relevant discipline areas within the University.
- To plan, design and deliver teaching at undergraduate and postgraduate levels in both core and specialist computer science topics and to supervise student projects.
- To undertake student tutoring and support.
- To supervise research students.
- To carry out additional activities, as required, in support of the academic work of the School.

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. In general a Senior Lecturer can expect to undertake any of the following:

Teaching and Learning Support

- To engage in teaching on undergraduate and/or postgraduate level programmes as determined by the Head of School. 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.
- Ensure that teaching content is appropriately informed by current research and advanced scholarly activity.
- Collaborate with colleagues in the continuous review and development of the Department'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 School's research priorities.
- 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 grant funding and manage, as appropriate, any grants which are secured.
- Supervise and manage research projects if required.

Liaison and Networking

- Establish contacts within the wider community; disseminate knowledge through public activities which enhance the reputation of the Department, School or College.
- Participate in academic activities with industry and other external partners.
- Maintain and develop links with relevant professional bodies and academic groups.
- Represent the Department 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

- Act as a responsible team member, leading modules or programmes and co-ordinating 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.

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.

As a Senior Lecturer you will take on an additional area of responsibility such as being a Programme Leader, Industrial Placements Coordinator, Admissions Tutor etc.

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 workload allocation model of delivery 40%, research 40% and administration 20%. For early careers academics the administrative duties are kept to a minimum through 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
<ul style="list-style-type: none"> • Head of School • Professors in the School of Computer Science and the College of Science • Faculty Senior Academic Managers • Departmental academic, administrative and technical staff • Support Services Staff 	<ul style="list-style-type: none"> • Research collaborators • Sponsors and clients • Relevant academic and professional groups • Relevant national, regional and international networks • External examiners



**UNIVERSITY OF LINCOLN
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 honours degree or equivalent	E	A
PhD in relevant discipline or equivalent demonstrated research record (normally by publication but where appropriate through professional achievement)	E	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
Curriculum development	D	A/I
Development & innovation of teaching & learning methods	D	A/I
Interdisciplinary work relevant to the School	D	A/I
Research interest in a relevant area of work	E	A/I
Research supervision	D	A/I
Proven record of outputs that would be returnable in REF	E	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 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
Competencies and Personal Attributes:		
Enthusiasm and commitment	E	I
Ability to work on own and as part of a team	E	A/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	MH/TD/LB	HRBP	SP
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