UNIVERSITY OF LINCOLN
JOB DESCRIPTION

JOB TITLE	Lecturer in Computer Science (Medical Imaging)				
DEPARTMENT	School of Computer Science				
LOCATION	Brayford				
JOB NUMBER	COS172	GRADE	7	DATE	March 2015
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 three Research Centres that specialise in computer vision, robotics and autonomous systems, and in social computing. The post holder will join the Laboratory of Vision Engineering, led by Distinguished Professor Nigel Allinson MBE. This research centre is externally recognised for the quality of its work, most recently by winning an IET Innovation award for work undertaken in proton beam treatment of cancer. Other current projects include medical image analysis for the treatment of diabetic retinopathy, personal long-term health care monitoring, novel solid-state imagers, embedded vision systems and proton and other radiotherapies.

Alongside the School of Computer Science, the College of Science comprises Schools of Life Sciences, Engineering, Pharmacy, Food Manufacturing, Chemistry, and Mathematics and Physics. Inter-disciplinary work is further facilitated through the University's Institute of Health. This provides a network of relevant subjects across Colleges and subject disciplines and has links to clinicians and local health providers.

In the most recent independent performance measures of UK university computing departments, the School of Computer Science was placed in the top third for student satisfaction (NSS 2013), the top 50 for research excellence in its publications (RAE 2014) and 10% above the sector average for graduate employability (DLHE 2013). In the most recently published subject league table (Sunday Times, Sept 2014) the School is now the highest ranked 'new' (post 1992) computer science department in the country.

The School offers undergraduate (BSc) and integrated masters (MComp) programmes in Computer Science, Games Computing, Social Computing and Computer Information Systems, and masters level (MSc) in Computer Science. We have 27 full time academic staff with a total student population of around 500 including a first year UG intake which is increasing year on year by around 20% reflecting our reputation and success and allowing us to further increase our staff base. In 2016 we will move to new, purpose-built accommodation on the University's Brayford Pool development in the centre of Lincoln.

JOB PURPOSE

To contribute to the research profile of the School, most especially in areas aligned to Medical Imaging and the activities of the Laboratory of Vision Engineering (LoVE) research centre.

To contribute to the delivery and development of our curriculum at undergraduate and postgraduate levels.

To contribute to 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 carry out additional activities, as required, in support of the academic work of the school.

KEY RESPONSIBILITIES

The responsibilities of a Lecturer are wide ranging and may change over time according to the development needs of the department and the individual. In general a 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.

- Contribute to the design, content and delivery of specific areas of teaching and learning and to the quality of teaching delivered.

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

- Take responsibility for the co-ordination of modules when appropriate to do so and after gaining sufficient relevant experience.

- 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.

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

- 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.

- Have sufficient outputs to be returned in the REF at agreed minimum standards inclusive of complex circumstances, or at least demonstrate a clear and achievable plan to secure a return if an early career researcher.

- Apply for grant funding and manage, as appropriate, any grants which are secured.

Liaison and Networking

- Establish contacts within the wider community where possible and begin to form relationships for future collaboration.

- Develop links with relevant professional bodies and academic groups.

- Develop involvement in academic activities with industry and other external partners.

- Take part in relevant internal committees and working groups.

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

Team Working

- Work as a member of a team, collaborating on curriculum development and contributing to departmental meetings.

- Begin to co-ordinate the work of others when appropriate through taking responsibility for module co-ordination.

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.

- Take part in the supervision of 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 relatively limited in order to allow the role holder to take advantage of planned developmental and research opportunities.

- 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.

The post holder, being a specialist in HCI will have a teaching load that is primarily dedicated to that area of the curriculum. Relevant teaching activities that the post-holder is most likely to contribute towards include delivery of both undergraduate and postgraduate HCI and Interaction Design modules; depending on the post-holder's expertise and experience other relevant areas include web design and development, social computing and data analysis, mobile applications design and development, ubiquitous computing, and games design. The post holder may also be asked to contribute to the delivery of generic computer science modules. The School operates a workload allocation model of delivery 40%, research 40% and administration 20%. For early careers academics the administrative duties are be 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**
- Head of School - Professor of Social Computing - Faculty Senior Academic Managers - Departmental academic, administrative and technical staff - Support Services Staff	- 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
Working to or having completed a PhD in relevant discipline or equivalent demonstrated research record (normally by publication but where appropriate through professional achievement)	E	A/I
HE teaching qualification (HE PGCE or HEA fellowship) OR a commitment to complete one	E	A/I
Experience:		
Teaching in Higher Education	D	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
Experience of working in multi or cross-disciplinary settings	E	A/I
Proven record of outputs that would be returnable in the REF	E	A/I
Skills and Knowledge:		
Evidence of continuing professional development	D	A/I
Developing depth and breadth of subject understanding	E	A/I
Knowledge of Higher Education	D	A/I
Ability to develop excellent teaching and assessment skills 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 work on own initiative	E	A/I
Competencies and Personal Attributes:		
Enthusiasm	E	I
Commitment	E	I
Team working	E	I
Good interpersonal skills	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	DC/NA	**HRBA**	HDR