



## UNIVERSITY OF LINCOLN JOB DESCRIPTION

<b>JOB TITLE</b>	Senior Lecturer Control Engineering				
<b>DEPARTMENT</b>	College of Science, School of Engineering & Physical Sciences				
<b>LOCATION</b>	Brayford Campus, Lincoln				
<b>JOB NUMBER</b>	COS472	<b>GRADE</b>	8	<b>DATE</b>	September 2024
<b>REPORTS TO</b>	Head of School				

### CONTEXT

The University of Lincoln is an ambitious higher education institution. We are one of a select group of universities to achieve the top Gold rating overall and in both aspect ratings for student experience and student outcomes in the national Teaching Excellence Framework (TEF) 2023. We are also committed to growing student numbers, using new partnerships with external organisations and innovative forms of programme delivery.

Following a restructure of the academic units in the College of Health and Science in the summer of 2024, a new and exciting opportunity has arisen for a Head of School of Engineering and Physical Sciences in an area bringing together the previous schools of Computer Science, Engineering, and Mathematics & Physics. The new School comprises around 1550 students, of which around 30% are postgraduate (PGT and PGR) and around 90 academic staff and 20 researchers.

The School of Engineering and Physical Sciences is a diverse community of students and staff who work together to further knowledge and understanding in a broad range of engineering, computer science, mathematics and physics disciplines. Within the engineering aspect this includes Mechanical Engineering, Electrical and Electronic Engineering, Mechatronics, Biomedical Engineering and Chemical Engineering across a spectrum of undergraduate, postgraduate and research degrees.

Our research includes several important research groupings including “L-CAS” Lincoln Centre for Autonomous Systems Research (L-CAS) : <https://lcas.lincoln.ac.uk/wp/> Centre for Computational Physics: <https://comp-physics-lincoln.org/> and Sustainable Energy and Power Research Group: [Sustainable Energy and Power | Engineering Research | University of Lincoln](#).

### JOB PURPOSE

#### General

To work with colleagues on curriculum development and the advancement of relevant discipline areas within the University

To plan, design and deliver teaching within programmes in relevant discipline areas

To undertake student tutoring and support

To contribute to the research profile of the Department

To carry out other activities in support of the academic work of the department

**Specific to this post upon appointment:**

To work with colleagues on curriculum development and delivery for the advancement of Mechatronics and Control Systems within the University.

To engage with industrially focused research projects.

To develop and deliver teaching over a range of modules within an established programme.

## 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 Department. 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 Department, School or College and pursue a personal research programme consistent with the Department's research priorities
- Have REF-returnable outputs of minimum 3\* quality.
- 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
- Have a record of successful grant capture commensurate with rank. 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 Department 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

#### **Citizenship**

- Contribute to the wider mission and reputation of the University with active involvement in activities contributing to general university life e.g. open days, student activities, alumni events, mentoring, personal tutoring and engagement with student support and delivery of outreach activities e.g. school visits, local community activities
- Active participation in committees/groups contributing to university life e.g. health and safety, equality diversity and inclusivity, sustainability and working groups
- Engage in appropriate training programmes in the University, actively follow and promote University policies and participation in the staff appraisal scheme and yearly Individual Research Plan (IRP)
- Contribution to the future development of the University and support the University's wider social, cultural and economic development of our region, our 'civic' mission with engagement and/or leadership of external partnerships contributing to the civic mission of the University. Participation in external activities such as volunteering, school governor, cultural activities, community activities

**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

This role will deliver teaching and project support across the undergraduate and postgraduate engineering portfolio. The role will also involve working with external stakeholders for educational and/or research-focussed activity.

### Key working relationships/networks

Internal	External
<ul style="list-style-type: none"><li>• Head of School</li><li>• Deputy Head of School</li><li>• Subject Lead</li><li>• College Senior Academics</li><li>• Departmental academic, administrative and technical staff</li><li>• Support Services Staff</li></ul>	<ul style="list-style-type: none"><li>• Relevant academic and professional groups</li><li>• Relevant national, regional and international networks</li><li>• External examiners</li></ul>



**UNIVERSITY OF LINCOLN  
PERSON SPECIFICATION**

<b>JOB TITLE</b>	Senior Lecturer Control Engineering	<b>JOB NUMBER</b>	COS472
<b>Selection Criteria</b>	<b>Essential (E) or Desirable (D)</b>	<b>Where Evidenced Application (A) Interview (I) Presentation (P) References (R)</b>	
<b>Qualifications:</b>			
Relevant honours degree or equivalent	<b>E</b>	<b>A</b>	
PhD in relevant discipline or equivalent demonstrated research record (normally by publication but where appropriate through professional achievement)	<b>E</b>	<b>A</b>	
HE teaching qualification (HE PGCE or HEA fellowship) OR a commitment to complete one	<b>E</b>	<b>A</b>	
<b>Experience:</b>			
Relevant teaching in Higher Education <b>OR</b> relevant professional experience	<b>E</b>	<b>A</b>	
Development and innovation of teaching and learning methods	<b>D</b>	<b>A/I</b>	
Interdisciplinary work relevant to the Department	<b>D</b>	<b>A/I</b>	
Research experience in a relevant area of work	<b>E</b>	<b>A/I</b>	
Research supervision	<b>D</b>	<b>A/I</b>	
Proven record of outputs that would be returnable in the REF, and evidence of successful grant capture.	<b>E</b>	<b>A/I</b>	
<b>Skills and Knowledge:</b>			
Depth and breadth of subject understanding	<b>E</b>	<b>A/I</b>	
Evidence of continuing professional development	<b>E</b>	<b>I</b>	
Knowledge of Higher Education	<b>D</b>	<b>A/I</b>	
Ability to teach and assess across the range of taught levels offered	<b>E</b>	<b>A/I</b>	
Ability to contribute to curriculum development	<b>E</b>	<b>A/I</b>	
Ability to support students in their study through academic counselling	<b>E</b>	<b>A/I</b>	
Ability to supervise research students	<b>E</b>	<b>A/I</b>	
Ability to work on own initiative	<b>E</b>	<b>A/I</b>	
Excellent written and verbal communication skills	<b>E</b>	<b>A/I</b>	
Good organisational and time management skills	<b>E</b>	<b>I</b>	
<b>Competencies and Personal Attributes:</b>			
Enthusiasm and commitment	<b>E</b>	<b>I</b>	
Team working	<b>E</b>	<b>I</b>	
Flexibility and adaptability	<b>E</b>	<b>I</b>	

**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.

<b>Author</b>	AB	<b>PBP</b>	AH
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