



**UNIVERSITY OF LINCOLN
JOB DESCRIPTION**

JOB TITLE	Reader in Electrical/Electronic Engineering				
DEPARTMENT	School of Engineering				
LOCATION	Brayford Pool				
JOB NUMBER	COS099	GRADE	9	DATE	February 2019
REPORTS TO	Head of School				

CONTEXT

The University of Lincoln was awarded HEFCE Strategic Development Funding to establish a new School of Engineering at its Brayford Campus in the centre of Lincoln in 2009. This is a groundbreaking initiative, in collaboration with Siemens and other employers in the engineering sector that seeks to develop engineering education for the 21st century. The School combines Mechanical, Electrical and Automation and Robotic Engineering and offers undergraduate, postgraduate and research degrees as well as conducting research, knowledge transfer and employer engagement.

Engineering at Lincoln is research focused, spanning two strategic thrust areas: Industrial Digitalisation and System Intelligence, and Sustainable Energy and Power Systems. We have funded research programmes with a diverse portfolio of UK and International companies and funding bodies, in areas ranging from gas turbine technology to bio engineering. Current projects include: remote monitoring and fault diagnosis in gas turbines; intelligent vehicle control; laser techniques in materials and manufacturing; renewable energy; biofuel development; advanced combustion; intelligent control of industrial refrigeration systems; wireless sensor networks for agri-tech.

JOB PURPOSE

A Reader is a research leader who has achieved a high standard of scholarship and has a substantial record of on-going research of international quality. Readers will be expected to have an appropriate balance of research and teaching within their portfolio and to evidence potential to progress to a professorial appointment.

To generate high quality personal research outcomes and outputs, provide leadership in the development of research initiatives, and to contribute to research-related teaching and learning through delivery and curriculum innovation in their subject area.

KEY RESPONSIBILITIES

Research

To enhance and promote the research culture in the subject area and to contribute to the strategic development of research in their School or College, including by:

- Demonstrating a strong international profile within their discipline;
- Conducting research of an international standard;
- Publishing (or equivalent) research outputs of internationally recognised quality;
- Have sufficient outputs to be returned in the REF at agreed minimum standards inclusive of complex circumstances;
- Developing externally funded research projects;
- Working (possibly with others) on the writing of bids to external funding sources;
- Contributing to research by participating in relevant research groups/committees;
- Linking their research profile to education and the professional sector as appropriate;
- Developing links with relevant local, national and international organisations with a view to enhancing research in cognate fields;
- Contributing to research development events for staff.

Specific to this post upon appointment:

- To identify, develop and lead research opportunities in the area of Communications, Networks and Embedded Systems, or Electrical Power Systems, in-line with the School's research strategy.

Teaching and Learning

To contribute to the subject portfolio of programmes, including postgraduate/research degrees by:

- Teaching and supervision on relevant programmes;
- Supporting students undertaking doctoral research in their subject and supervising them to completion;
- Informing curriculum development and delivery, at postgraduate and other levels.

Other Duties

- Contributing to the efficient administration, organisation and development of research in the School or College.
- Participating in and, where appropriate, convening relevant research-related groups/committees in the School or College.

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

The Reader will be expected to lead by example in research and to support the research activities of individuals/research groups in the area in which they are appointed. Candidates will therefore have to evidence their leadership skills relevant to research, as well as their own personal high quality research record. This record should cover such aspects as their research outputs (including publications), research grants and research supervision. The post holder will be expected to maintain and develop their own research at a high level and to be a significant contributor to external research audits.

Key working relationships/networks

Internal	External
<ul style="list-style-type: none">• Pro Vice Chancellor / Head of College• Dean of Research• Head of School• Other academics inside/outside the College• Research and other students• Administrative staff• Service staff• Other Colleges within the University	<ul style="list-style-type: none">• External agencies• Funding bodies e.g. Research Councils• Professional & Regulatory Bodies, Educational establishments and organisations e.g. other universities• Professors, Readers, Senior Research Fellows and other researchers elsewhere• Suppliers of goods and services• Visitors/general public



**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:		
A postgraduate qualification (or equivalent) in relevant discipline	E	A
Experience:		
Proven record of outputs that would be returnable in the REF	E	A/I
Experience of developing funded research projects in the specialist area	E	A/I
Experience of working within a research team	D	A/I
Experience of teaching postgraduate students	D	A/I
Experience of supervising research students (preferably to completion)	E	A/I
Experience of efficient administration and management of research and/or teaching programmes	E	A/I
Skills and Knowledge:		
Evidence of a substantial research profile in subject area	E	A/I
Evidence of successful engagement (projects/funding) with key external agencies	E	A/I
Able to demonstrate leadership skills in relation to research initiatives	E	A/I
Able to apply research to teaching and learning	E	A/I
High level of verbal and written communication skills	E	A/I
Able to organise and prioritise own workload	E	I
Able to build effective working relationships with a wide range of staff and external agencies	E	A/I
Competencies and Personal Attributes:		
Able to work as part of a team	E	I
Initiative and independence in thinking/approach	E	I
Organised and methodical in the management of self and others	E	I
Positive and proactive in approach	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	MG	HRBA	SP
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