

Academic Role Profile

Job Title:	Lecturer (B) in Robotics (Research and Teaching Track)
Responsible to:	Head of Department or Faculty
Responsible for:	Research staff employed on programmes and awards directed by the post holder. May have supervisory responsibility for other staff.

Job Summary and Purpose
To develop a personal research portfolio in line with the Faculty's research strategy, to teach at undergraduate and postgraduate level, and to participate in Faculty administration.

Main Responsibilities/Activities
To support the research activities of the Faculty by: Developing the research activities of the Faculty by sustaining a personal research plan independently and/or in collaboration with others as part of a larger research team. Managing and undertaking research activities in accordance with a specific project plan, and supervising and guiding the work of staff and research students on own specialist area. Developing innovative research proposals (as a self-contained item or as part of a broader programme), identifying sources of funding, submitting funding bids, and gaining positive reviews for these. Planning the research to be undertaken. Publishing original research in appropriate journals or other media, as appropriate. Attending appropriate conferences for the purpose of disseminating research results or for personal development. Sustaining and developing professional expertise and maintaining the requirements for registration with the appropriate body (<i>for academics with clinical links only</i>). To support the teaching objectives of the Faculty by: Developing new teaching methods and designing programme units, and taking responsibility for the quality of programme units. Planning, delivering and critically reviewing a range of teaching and assessment activities including lectures. Training and supervising of students (including research students) and acting as a tutor for industrial/professional training year students, according to own area of subject specialism. Setting/marking programme work, practical sessions, supervisions, fieldwork and examinations according to own area of subject specialism, and providing appropriate feedback to students. Taking part in activities such as validating and examining in relation to the University's associated institutions.

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To undertake pastoral care of students

Using listening, interpersonal and pastoral care skills to deal with sensitive issues concerning students and provide support. Appreciating the needs of individual students and their circumstances. Acting as personal tutor and giving first line support. Referring students as appropriate to services providing further help.

To engage in scholarship by:

Continually updating knowledge and understanding in the field or specialism. Extending, transforming and applying knowledge acquired from scholarship to teaching, research and appropriate external activities.

To contribute to the efficient management and administration of the Faculty by:

Performing such personal administrative duties throughout the Faculty as are recognised by the University as properly within the remit of the work of academic staff, as allocated by the Head of Faculty. Such duties may include Faculty co-ordinating roles, for example, running the process of admissions, examinations or teaching quality assessment.

Advising, supervising and giving guidance to other staff

Person Specification

The post holder must have:

An honours degree or an appropriate and equivalent professional qualification in a relevant subject

Normally a doctoral degree

Normally former experience of working as a lecturer

Evidence of administrative and organisational skills

Evidence of current research/scholarship at post-doctoral level or equivalent

Relationships and Contacts

The post holder will be a member of such Faculty Committees as may be relevant to their administrative duties, for example Faculty Board of Studies and Examination Board. New appointees will be assigned a senior colleague to guide their development and aid their integration into the Faculty and university. Research priorities will be agreed within the strategic framework of the research theme of which they are a member. Teaching and administrative duties will be allocated by the Head of Faculty, within the context of the teaching programmes agreed by the Faculty Learning and Teaching Committee or similar body.

Special Requirements

To be able to participate in residential field work, in the UK or overseas, according to own area of subject specialism.

The post holder is expected to work outside normal office hours as necessary.

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All staff are expected to:

- Positively support equality of opportunity and equity of treatment to colleagues and students in accordance with the University of Surrey Equal Opportunities policy.
- Help maintain a safe working environment by:
 - Attending training in Health and Safety requirements as necessary, both on appointment and as changes in duties and techniques demand
 - Following local codes of safe working practices and the University of Surrey Health and Safety Policy
- Undertake such other duties within the scope of the post as may be requested by your Manager.

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Addendum

This document provides additional information relating to both specific aspects of the post/faculty and any post specific person specification criteria. The information contained within this document should always be read in conjunction with the accompanying generic Job Purpose.

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Background Information/Relationships

Faculty:

The University of Surrey is organised into three Faculties. The Faculty of Engineering and Physical Sciences (FEPS) comprises four Schools including the School of Engineering.

The Faculty enjoys a reputation for excellence in research and teaching, allied to a strong enterprise culture and an unrivalled record of graduate employment. Our members of academic staff are well respected, both nationally and internationally, amongst the many areas of academia and industry with which we interact. We believe strongly in the principle that a university should contribute to the cultural wealth of society by developing the basic sciences, whilst also developing the technology which will improve our overall quality of life.

School of Engineering:

The School currently has around 70 FTE academic staff and about 1000 students who are studying on a range of programmes from BEng/MEng through MSc to EngD/PhD. We offer four strong professionally accredited undergraduate programmes in Mechanical Engineering, Biomedical Engineering, Aerospace Engineering and Civil Engineering. All the programmes have the option of a year of Professional Training. The programmes are supported by a range of well-equipped laboratories and computer suites. The School, and its degree programmes, are typically rated in the top 10 in the UK league tables.

Research in the School is highly rated and is carried out in four Centres: Aerodynamics & Environmental Flow (A&EF), Automotive Engineering, Biomedical Engineering and Engineering Materials.

Relationships:

The appointee will report to the Head of School. S/he will establish working relationships with staff (including other academics, researchers, technicians and support staff) and students in the School in addition to staff in the wider Faculty and university, as appropriate. S/he will liaise with sponsors and external bodies informally and formally, as necessary.

Person Specification

This section describes the sum total of knowledge, experience & competence required by the post holder that is necessary for standard acceptable performance in carrying out this role. This is in addition to the criteria contained within the accompanying generic Job Purpose.

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Qualifications and Professional Memberships	Essential/ Desirable
A higher research degree (PhD).	E
Expertise in an appropriate area of robotics research.	E
Strong publication record with a track record of publishing in high quality journals.	E
Excellent communication and inter-personal skills.	E
Success in attracting research funding.	D
Experience of supervising postgraduate students.	D
Experience of delivering high quality teaching	D
Chartered Engineer status	D
Key Responsibilities This document is not designed to be a list of all tasks undertaken but an outline record of any faculty/post specific responsibilities. This should be read in conjunction with those contained within the accompanying generic Job Purpose.	
1. Undertake high quality research, as evidenced by a strong publication record and other metrics associated with successful outcomes.. 2. Apply for funding to support research activities and research students. 3. Deliver a high quality teaching and learning experience to students undertaking undergraduate and postgraduate activities. 4. Participate in a range of School and University administration activities, as required. 5. Provide pastoral care to students, for example as a Personal Tutor, as appropriate.	
N.B. The above list is not exhaustive.	