Job Description

Lecturer in Electronic Engineering
Reference : 1802287

Department: Electronic & Electrical Engineering

Reports to:
Professor Sarah Spurgeon

Context
The Department of Electronic and Electrical Engineering at UCL is recognised as one of the leading Departments for research in its subject area, worldwide. The Department wishes to appoint a fixed term Lecturer in Electronic Engineering to cover the maternity leave of a member of staff. The appointment is a fixed-term position for one year and must start no later than 1st October 2019, however it is hoped that the successful candidate would be in place well before the start of the First Term 2019. The start date is negotiable within these constraints and applications from candidates wishing to job share or work part-time are particularly welcome.

For this appointment we particularly seek candidates with experience in systems and control. We would expect the candidate to contribute to a range of teaching within the department and the faculty including but not limited to teaching control systems at undergraduate level.

Applicants should have a record of carrying out internationally leading research and an outstanding publications record. The ability to inspire students and research staff to achieve their full potential is also of great importance to us.

Main purpose of the job
The primary task of the person appointed will be: to undertake world-class research in her/his area of research and contribute to the teaching programme in the Department of EEE. The appointee will be expected to perform the normal administrative duties expected of a member of academic staff as required by the Head of Department.

Salary:
Grade 7: £39,353 - £42,701
Grade 8: £43,884 - £51,769

Salaries quoted are inclusive of London Allowance.

Location: London
**Duties and responsibilities**

**Research:** The person appointed will be responsible for the initiation of new research areas; the participation, coordination or leadership of research consortia involving other academic staff; becoming key partners in new national and international funded collaborations; and managing bids for such funding. The postholder will:

- Conduct a vigorous, high-level personal research programme in the area of EEE;
- Submit publications regularly to high-profile refereed journals and participate in national and international conferences;
- Foster links with industry which will benefit both research and teaching at UCL.
- Contribute to technology transfer activities through the development and protection of Intellectual Property (IP) and the pursuit of its exploitation through joint venture, licensing and spin-out routes as appropriate.

**Teaching:** Undergraduate and postgraduate teaching duties are assigned by the Head of EEE, on the recommendation of the relevant tutor. The duties will include:

- Teaching students at undergraduate level. This will be through a selection of lecturing, tutoring, classwork demonstrating, project supervision, and laboratory demonstrating;
- Research and postgraduate student teaching, project supervision and demonstrating;
- Curriculum development;
- Contributing where necessary to the assurance and enhancement of teaching quality;
- Recruitment and selection of undergraduate and post-graduate students;
- Examining and other related duties at undergraduate and post-graduate levels;
- Design and delivery of new courses.

**Administration:**

- Undertaking of administrative tasks within the Department of EEE and, as required, at faculty and/or institutional level within UCL;
- Attending, and where needed, leading relevant EEE committee meetings;
- Assisting with staff recruitment;
- Serve on Faculty, College and University committees as appropriate;
- Mentoring EEE staff as appropriate and promoting – both within and outside UCL – the work of EEE;
- Complying with UCL and departmental policies on safety, equal opportunities, and other matters.

**Other Duties**

- Actively participate in learned society activities within the profession.
- Attend courses and conferences and engage in other activities associated with professional development.
- Comply with College and Departmental policies.

The post-holder should carry out any other duties as are within the scope, spirit and purpose of a UCL academic post, as requested by the Head of Department.

The post-holder is expected to take responsibility for their work, duties and results. Please note that, within reason, the duties and role of the post-holder may be changed after appropriate consultation in response to changing organisational requirements. The post-holder is required to follow actively all UCL policies including Equal Opportunities policies.
### Person Specification

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<thead>
<tr>
<th>Criteria</th>
<th>Essential or Desirable</th>
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<tbody>
<tr>
<td><strong>Qualifications and training</strong></td>
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<tr>
<td>A PhD or equivalent qualification in control or systems engineering</td>
<td>Essential</td>
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<td>Demonstrated a track record of publishing in international journals</td>
<td>Essential</td>
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<td>relevant to EEE</td>
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<tr>
<td>Demonstrated a track record of presenting their work at leading</td>
<td>Essential</td>
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<td>international conferences relevant to EEE</td>
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<td>Experience of teaching in a university environment</td>
<td>Essential</td>
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<td>Excellent communication skills both verbal and written</td>
<td>Essential</td>
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<td>A strong record of attracting funding to support their research programme at the highest international level</td>
<td>Desirable but essential for appointment at Grade 8</td>
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<tr>
<td>A record of successful supervision and management of active research staff</td>
<td>Desirable but essential for appointment at Grade 8</td>
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<td><strong>Other requirements</strong></td>
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<td>Experience of working in or collaborating within the EEE industry</td>
<td>Desirable</td>
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<td>Experience of teaching mathematically intensive courses to undergraduate students</td>
<td>Desirable</td>
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<td>Experience of working within international collaborative research projects</td>
<td>Desirable</td>
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<td>An excellent international research profile, reflected in conference invited presentations and conference TPC membership</td>
<td>Desirable</td>
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About UCL and the Department of Electronic and Electrical Engineering

University College London (UCL) was founded in 1826 as the third university in England, after Oxford and Cambridge. UCL is the first university in England to admit students of any race, class or religion, and the first to welcome women on equal terms with men. UCL is organized into 11 constituent faculties, within which there are over 100 departments, institutes and research centres. UCL has 983 professors and more than 7000 academic staffs who are dedicated to research and teaching of the highest standards. Its student community is almost 36,000, the largest in the UK. There are 29 Nobel Prize winners and three Fields medalists amongst UCL’s alumni and current and former staff. UCL is the top rated university in the UK for research excellence (REF2014). It has a strong tradition and large knowledge base in medical research with a dedicated institute on Healthcare Engineering and 10+ hospitals. UCL has world-class support for researchers and has been voted the best place for postdoctoral researchers to work for consecutive years by The Scientist magazine. The main campus of UCL is located in central London, close to British Museum, West-End and Thames River.

The Department of Electronic and Electrical Engineering at UCL was established by Professor Sir Ambrose Fleming in 1885 and has a very strong research culture, state-of-the-art research equipment and facilities, and a very rich history of many fundamental research achievements in electronic and electrical engineering. The department has received top ratings in every UK research evaluation carried out to date.

Information about the departments may be found at:
www.ucl.ac.uk/eee

How to Apply

Interested applicants are encouraged to make informal enquiries about the post to Professor Sarah Spurgeon s.spurgeon@ucl.ac.uk

All applications should be submitted via UCL online recruitment system at the following link:
http://www.ucl.ac.uk/hr/jobs/

You can upload 2 documents with your application. Please ensure you include

- CV
- List of major achievements to date
- Starred list of top 5 publications to date with a short description (100 words max) of their significance.

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If you have any queries regarding the application process please contact Vicky Coombes at v.coombes@ucl.ac.uk quoting reference 1802287

Further information regarding UCL may be found at:
www.ucl.ac.uk/

UCL Taking Action for Equality