1   Advertisement

Post Title: Lecturer in Engineering (Research and Education)
School/department: School of Engineering and Informatics/Department of Engineering and Design
Hours: Full-time or part-time hours considered up to a maximum of 1.0 FTE**.** Requests for flexible working options will be considered (subject to business need).
Contract: Permanent
Reference: 20115
Salary: starting at £44,414 to £52,841 per annum, pro rata if part-time.
Placed on: 23 May 2023
Closing date: 04 July 2023. Applications must be received by midnight of the closing date.
Expected Interview date: To be confirmed.
Expected start date: To be confirmed

The Department of Engineering and Design at the University of Sussex is looking to appoint a Lecturer in Engineering with expertise in one or more of the areas of power electronics, semiconductor technology, communication, or robotics engineering. The Department is a part of the School of Engineering and Informatics, which delivers world-class research and high-quality teaching in automotive and mechanical engineering, electrical and electronic engineering, product design as well as in computer science.

The successful candidate will have research interests in one or more of the fields mentioned above and will complement the research in one of our research centres and groups.

The successful applicant will also be responsible for devising and delivering teaching for the Department in our electrical/electronic or robotics courses. Applications should be accompanied by a full CV and statement of future research plans and ways in which the applicant could contribute to teaching across the Department.

Informal inquiries may be addressed to Prof Romeo Glovnea, the Head of Department (r.p.glovnea@sussex.ac.uk).

The University is committed to equality and valuing diversity, and applications are particularly welcomed from women and black and minority ethnic candidates, who are under-represented in academic posts in Science, Technology, Engineering, Medicine and Mathematics (STEMM) at Sussex.

Please note that this position may be subject to ATAS clearance if you require visa sponsorship.

For full details and how to apply see our vacancies page

The University of Sussex values the diversity of its staff and students and we welcome applicants from all backgrounds.

Please note: The University requires that work undertaken for the University is

2.   The School / Division

Please find further information regarding the Department of Engineering and Design at http://www.sussex.ac.uk/engineering/

3.   Job Description

Job Description for the post of: Lecturer in Engineering

Department: Engineering and Design

Section/Unit/School: Engineering and Informatics

Location: Falmer campus, Brighton

Grade: 8

Responsible to: Head of Department

PRINCIPAL ACCOUNTABILITIES

1.   To design and deliver high-quality teaching programmes that are attractive to students.

2.   To engage in individual and collaborative research activity resulting in high-quality publications to be submitted to the REF at acceptable levels of volume and academic excellence, and to obtain research funding and/or knowledge exchange income as appropriate to the discipline.

3.   To contribute fully to the School and University by playing a significant role in working groups, committees, and other School and University activities.

KEY RESPONSIBILITIES

1.   Teaching & Student Support

1.1   Engage in the planning, delivery and assessment of innovative high-quality undergraduate and postgraduate teaching, in liaison with the relevant programme and course convenors.

1.2   Identify, design, develop and manage new curriculum proposals that are attractive to students.

1.3   Develop high-quality inclusive teaching materials, methods and approaches, take responsibility for their quality, and ensure that they meet defined learning objectives.

1.4   Ensure that teaching materials remain up-to-date and relevant, incorporating advances in the subject area into the course of study, and utilising appropriate technology.

1.5 Set, mark, and assess coursework and examinations; select appropriate assessment instruments and assessment criteria, and provide constructive and comprehensive feedback to students.

1.6 Undertake continuous professional development to maintain an understanding of appropriate pedagogy in the subject area.

1.7 Supervise the work of undergraduate and taught postgraduate students, providing advice on study skills.

1.8 Contribute to the accreditation of courses and quality-control processes.

1.9 Undertake and complete administrative duties required in the professional delivery of teaching.

1.10 Undertake academic advising duties, and provide first-line support for sensitive issues, referring on as appropriate to services providing further assistance.

1.11 Adopt an approachable and accessible attitude towards students, offering office hours, informal advice etc.

2. Research, Scholarship & Enterprise

2.1 Contribute to School research strategy and themes.

2.2 Develop research objectives and proposals for own or joint research.

2.3 Conduct research projects individually and in collaboration with others.

2.4 Assess, interpret and evaluate outcomes of research, and develop ideas for their application.

2.5 Produce high-quality research outputs that have impact in the field, for publication in monographs or recognised high-quality journals, or performance/exhibition, as appropriate, and contribute to the School's REF submission at acceptable levels of volume and academic excellence.

2.6 Lead small research projects and/or identified parts of a larger project, including supervising the work of others and managing or monitoring a research budget, if appropriate.

2.7 Make presentations at conferences, or exhibit work in other appropriate events, and identify ways to disseminate research outputs informally via the internet, the media, and other forms of public engagement.

2.8 Identify sources of funding and secure or contribute to the process of securing bids.

2.9 Identify and secure opportunities for enterprise activity, knowledge exchange income and/or consultancy.

2.10 Actively build internal and external contacts, and play a key role in internal networks and relevant external networks in order to, for example, identify sources of funding, secure student placements, and build relationships for future activities.

2.11 Supervise doctoral students as part of a supervision team.

2.12 Contribute to a relevant national professional body or recognised events.

2.13 Continually update knowledge and understanding in field or specialism, and engage in continuous professional development.

2.14 Conduct risk assessments, and take responsibility for the health and safety of others, if required.

3.   Contribution to School & University

3.1   Attend and contribute to School meetings.

3.2   Engage in activities beyond day-to-day teaching duties, for example Admissions Days.

3.3   Assist with undergraduate and postgraduate recruitment.

3.4   Play a key role in School or University working groups or committees, as required.

3.5   Advise and provide support to less experienced colleagues.

3.6   Undertake additional administrative duties, as required by the Head of School.

4.   Role-specific duties

4.1   The post holder may be asked to contribute to teaching in our Trans National Education programme, we currently have in China

This Job Description sets out current duties of the post that may vary from time to time without changing the general character of the post or level of responsibility entailed.

PERSON SPECIFICATION

ESSENTIAL CRITERIA

1.   Normally educated to doctoral level, or other equivalent qualification, or appropriate level of experience, as appropriate to the discipline (see role-specific criteria below).

2.   Excellent interpersonal skills, with the ability to engage with students using a variety of different methods.

3.   Experience of teaching at undergraduate and taught postgraduate level.

4.   Evidence of significant independent contribution to the design and execution of research.

5.   An emerging track record of publications in reputable journals and other appropriate media of similar standing.

6. Excellent presentation skills, with the ability to communicate effectively, both orally and in writing, with students, colleagues and external audiences.

7. Ability to work individually on own initiative and without close supervision, and as part of a team.

8. Ability to exercise a degree of innovation and creative problem-solving.

9. Excellent organisational and administrative skills.

10. Ability to prioritise and meet deadlines.

11. A willingness to participate in support activities beyond normal classroom duties.

12. Excellent IT skills, with the ability to produce high-quality learning support materials.

DESIRABLE CRITERIA

1. Experience with Electronic design automation tools such as Cadance, SIEMENS EDA and Synopsys EDA

2. Understanding of the application of micro-electronic technology for robotics or biomedical engineering applications

3. Experience in teaching at university level and of successful curriculum design or re-design.

4. A recognised higher education teaching qualification.

5. Experience of generating research or knowledge exchange income.

6. Experience of supervising postgraduate research students.