



Post Details		Last Updated:	
Faculty/Administrative/Service Department:	School of Computer Science and Electronic Engineering		
Job Title:	Senior Lecturer in Computer Science (Teaching Track)		
Job Family & Job Level	Research and Teaching	Level 6	
Responsible to:	Associate Head Education		
Responsible for:	May have supervisory responsibility for other staff		
Job Summary and Purpose			
<p>To contribute to the teaching, assessment and support of teaching of undergraduate and postgraduate computer science in the School of Computer Science and Electronic Engineering.</p> <p>To lead in Faculty/School management and administration at an appropriate level.</p>			
Main Responsibilities and Activities			
Teaching delivery and development:			
<p>Give leadership to sustained development of teaching methods, materials, technologies and learning environments which enhance the students learning opportunities whilst creating an environment for understanding and enthusiasm amongst students.</p> <p>Lead innovation in curriculum development and design programmes that keep the Department/faculty at the leading edge of the discipline. Take responsibility for the quality of curriculum development and programme designs.</p> <p>Create opportunities for the development of new specialist pathway.</p> <p>Lead on the maintaining of quality and standards for the delivery of programmes.</p> <p>Critical review of teaching and learning activities as directed by the Dean, e.g. improvement mechanisms following analysis of MEQ data.</p> <p>Contribute at national and international level to the advancement pedagogical issues related to their subject specialism.</p> <p>Lead and influence the development and application of digital and electronically based teaching, learning and assessment techniques.</p> <p>Train and supervise students at UG and PG level (as appropriate).</p> <p>Undertake lead and support the development of appropriate criteria for the assessment of programmes of work, practical sessions, fieldwork and examinations in subject specialism, and provide appropriate protocols for excellent feedback to students. Critically evaluate the impact of the assessment criteria.</p> <p>Where appropriate act as a University delegate during teach out period with Associated institutions.</p> <p>Continually update knowledge and understanding in the field or specialism. Extend, transform and apply knowledge from pedagogical development to teaching, learning and electronic environments, as part of an integrated approach to academic practice and look towards enhancing the reputation of the Faculty and University nationally and internationally.</p>			



Seek to publish pedagogical findings in appropriate peer reviewed HE journals, textbooks or monographs. Seek to contribute to an editorial board for an educational journal.

Conduct individual or collaborative scholarly projects related to their discipline and/or be researching pedagogic issues related to their academic discipline and communicating their findings widely within and outside the University.

Actively contribute to the development of Department/School and Faculty teaching and learning strategies and wider discussion of educational issues within the University and outside.

Identify sources of funding for pedagogical research, project proposals and consultancy. Contribute to securing funds for these activities.

Participate in and develop external networks for example to contribute to student recruitment, secure student placements, facilitate outreach work, generate income, obtain consultancy projects or build external relationships for future activities.

Maintain and develop professional expertise and registration requirements with appropriate professional body under the guidance of a senior colleague.

Student pastoral care

Develop and use pastoral care skills to support the academic development of students and ensure a good student experience.

Act as personal tutor and give first line support before referring students on to appropriate services.

Management and Administration

Perform senior administrative duties such as Director of Studies, Director of Learning or Programme Director, that enhance the effectiveness of the management of the Faculty's student learning experience and learning opportunities.

Be involved in academic, professional or clinical networks in the discipline and take leading roles in these networks.

Lead on the advice, supervision and guidance to peers and colleagues and direct support for their innovations within pedagogical developments.

Person Specification

Post holder expected to possess a doctoral degree (relevant to the interests of the Faculty/Department).

Post holder to demonstrate:

- Evidence of significant academic and professional leadership.
- Evidence of leadership/development in a postgraduate and undergraduate teaching role such as course design, tutoring industrial/professional training year students and external examining.
- Evidence of a strong contribution to administration
- Evidence of strong external reputation, demonstrating a national standing in areas related to learning, teaching and assessment.
- Attainment of Teaching and Learning awards and prizes.
- Portfolio of excellent outputs in discipline or teaching and learning journals

A Teaching Qualification e.g. Postgraduate certificate in Learning and Teaching in HE or equivalent is essential.

Relationships and Contacts



Post holder will be a member of Faculty committees relevant to their administrative duties, e.g. Faculty Board of Studies and Examination Board.

Teaching and Administrative duties will be allocated by the Head of Faculty/Department, within the context of the programmes agreed by the Faculty Learning and Teaching committee or similar body.

Special Requirements

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

The post holder will be expected to contribute to programme development, refreshing and assessment activities throughout the academic year, including times when students are not on campus.

If it is agreed by the line manager that the post holder will be carrying out research, time will be identified to enable this to take place and appraisal targets will be set accordingly.

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.

Undertake such other duties within the scope of the post as may be requested by your Manager.

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



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.

Job Title: Senior Lecturer in Computer Science (Teaching Track)

Background Information/Relationships

The School of Computer Science and Electronic Engineering is the largest school in the Faculty of Engineering and Physical Sciences. The teaching is organised at School level and research is organised within the following research centres: Advanced Technology Institute, the Institute for Communication Systems, the Centre for Vision Speech and Signal Processing, and the Computer Science Research Centre.

Focus of the role

To undertake teaching within the School across all areas of the curriculum and to provide academic leadership to support the School in developing its AI in education strategy and its implementation across our Computer Science and Electronic Engineering programmes. The role will also require contributions to its transnational education agenda.

Line Manager: Professor David Carey, Associate Head of Education.

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.

Qualifications and Professional Memberships	Essential/Desirable
A PhD in Computer Science or other closely related area or relevant industry experience	Essential
Expertise of teaching innovation	Essential
Expertise of leading the development of AI in education strategies across programmes	Desirable
Experience of large class delivery	Desirable
Proven ability in effective and persuasive communication	Essential
Ability to focus team efforts and motivate team members	Essential
Proven ability to demonstrate creativity and ability to continuously update knowledge of emerging technologies.	Essential

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.



- Make a significant leadership contribution to the School's teaching initiatives in AI in Education.
- Continuously update knowledge of emerging technologies and applying this knowledge to recommend future curriculum innovations.
- Contribute to the teaching of practical modules such as software engineering, web technologies, natural language processing and data science.
- Mentor junior colleagues in developing their teaching skills within the School.
- Develop connections within the industry and education providers specialising in AI tools for education to inform our use of AI in the curriculum.
- Develop good working relationships with other computer science and electronic engineering leaders in other UK institutions and internationally to share best practice.
- Contribute to marketing and recruitment activities related to the School's teaching offering.
- Contribute to the School and Academic Centre of Excellence in Cyber Security Education outreach activities.
- Contribute to research where appropriate.

N.B. The above list is not exhaustive.