

Academic Role Profile

Job Title:	Reader in People-Centred Artificial Intelligence
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Responsible to:	Director of the Surrey Institute for People-Centred Artificial Intelligence PAI (Research) and Faculty Head of Department/School (Teaching)
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Responsible for:	Research and support staff employed on projects for which the post holder is Principal Investigator, and students on programmes and awards that are the responsibility of the post holder.
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Job Summary and Purpose
To develop a personal research portfolio in line with the PAI Institute pan-University research strategy linking Artificial Intelligence (AI) and domain expertise across the University. To make a significant contribution to the advancement of own specialist area which is recognised at national and international level. To take a lead in undergraduate and postgraduate level teaching in the Department/School and cross-University AI programmes. To contribute to Institute, Department/School and research portfolio administration.

Main Responsibilities/Activities
<p>To develop the research activities of the PAI Institute in collaboration with AI and domain experts by:</p> <p>Developing and leading the research activities of the PAI Institute, the Faculties and the University by maintaining an expert reputation in AI and AI-domain application independently and/or in collaboration with others as part of a larger research team, sustaining a track record of published research findings.</p> <p>Demonstrating leadership in research, including postgraduate research supervision.</p> <p>Planning, co-ordinating and leading research activities in accordance with a specific project plan through a research team or a group of staff involved in research. Managing the financial and physical resources associated with the research activities. Supervising and guiding the work of staff and research and doctoral students on own specialist area.</p> <p>Leading innovative research proposals and submitting funding bids, winning support for them and planning the research to be taken, self-contained item or as part of a broader programme. Obtaining and sustaining research funding.</p> <p>Sustaining an extensive track record of published research findings in high quality journals, or other media and at internationally recognised conferences.</p>

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Maintaining an expert reputation in own subject area and providing advice and guidance to staff and students.

Engaging in external academic activities in accordance with the Institute and University's research strategy at a national level and international level. Such activities will include membership of committees of academic and professional bodies, external examining, editing journals and contribution to professional networks, national and international meetings, societies and bodies (including governmental bodies).

Sustaining and developing professional expertise and maintaining the requirements for registration with the appropriate body (*for academics with clinical links only*).

To support the teaching activities of the Faculty by:

Leading/developing teaching methods, designing undergraduate and postgraduate programmes, pursuing new teaching approaches.

Planning, delivering and critically reviewing a range of teaching and assessment activities including lectures.

Teaching, training and supervising students (including research students), tutor industrial/professional training year students and external examining according to own area of subject specialism.

Setting/marking programme work, practical sessions, supervisions, fieldwork and examinations according to own area of subject specialism.

Taking part in activities such as validating and examining in relation to the University's associated institutions.

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 undertake pastoral care of students by:

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. Taking responsibility for dealing with referred issues for students within own educational programmes, and providing first line support for colleagues, referring them to sources of further help if required.

To contribute to the efficient management and administration of the Faculty, the University and the wider academic community by:

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Performing such personal administrative duties throughout the Institute, the Faculties and the University as are recognised by the University as properly within the remit of the work of academic staff, such as Research Director, Research Challenge Lead, Director of Studies, Examination Office, Time-tabling Officer. Advising, supervising and giving guidance to other staff.

Performing personal administrative duties such as research group leader and roles associated with teaching programmes, as allocated by the Institute Director and contributing to the general life and work of the University.

Person Specification

The post holder must have:

It is essential that the post holder possesses a higher professional qualification, normally a doctoral degree

Demonstrated outstanding qualities and achievements in scholarship and research at a national and international level

Significant academic publication recorded in refereed journals

Evidence of leadership in research, including postgraduate research supervision

Evidence of a record of sustained research funding

Evidence contributions to conferences, professional meetings and societies at an international level and evidence of achievements in other external activities at an international level

Evidence of high quality teaching at undergraduate and postgraduate level

Relationships and Contacts

The post holder will take a leading role in the setting of strategic objectives for their research area within the PAI Institute. Research priorities will be agreed within the strategic framework of the research PAI Institute and Faculty of which they are a member. New appointees will be assigned a senior colleague to guide their development and aid their integration into the Institute, Faculty and into the University. Teaching and administrative duties will be allocated by the Heads of School/Department, within the context of the teaching programmes agreed by the Faculty Learning and Teaching Committee or similar body.

Special Requirements

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To attend national and international conferences for the purpose of disseminating research results.
To be able to participate in residential field work, in the UK or overseas, according to own area of subject specialism.

To lead major funding bids, which develop and sustain research support for the specialist area and advance the reputation of the Institute, Faculty and University.

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

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 (All posts)

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:	Lecture/Senior Lecturer/Reader in People-Centred Artificial Intelligence (All PAI Institute posts)
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Job Summary/Purpose

The appointee will be expected to lead research, collaboration and project grant applications in AI and AI-domain application aligned with the PAI Institute research strategy in People-centred AI. The post holder will establish and lead a portfolio of research, in collaboration with domain experts across the University.

The appointee will contribute to the foundation and leadership of the Surrey Institute for People-Centred AI, establishing a culture of open, responsible, trustworthy and inclusive cross-disciplinary AI research, supporting the growth of their own and collaborative research to realise AI for the benefit of everyone.

Background Information/Relationships

Surrey Institute for People-Centred AI (PAI)

Our vision is for the **University of Surrey to be the national centre of excellence in people-centred AI research, training and innovation, and its application for the benefit of society.** The PAI Institute will bring together world-leading expertise in fundamental AI theory with cross-University domain expertise to realise and shape AI impact for public good. The Institute will be truly cross-disciplinary, drawing on AI and domain expertise across all of the University Faculties and encouraging the creation and sharing of innovative ideas and approaches to foster new research directions and collaborations. The Institute research agenda will centre on the people and societal AI 'grand challenges' identified by UKRI, AI Council, Society 5.0 and United Nations Sustainable Development Goals. Cross-cutting AI grand challenges for people and society will link Surrey areas of excellence in AI and domain expertise focused on:

- Trustworthy and Responsible AI
- AI for Education, Information and Entertainment
- AI for Health and Wellbeing
- Human-AI Interaction and Cooperation
- AI for Society 5.0

The PAI Institute offers an exciting vision that depends on establishing a new innovative ecosystem to generate long-term growth. The Institute will bring together multiple pan-University research and training activities under the People-Centric AI approach to achieve real-world societal impact.

The University of Surrey has a proud history of collaboration, both cross-University and with industry, government, public sector and leading organisations internationally to realise transformative advances with real-world impact. The strong application focus and industry engagement across the University, with world-leading core and domain expertise, create the potential for Surrey to lead the future impact of AI on people and society. Surrey leads on both fundamental AI theory – pioneering machine learning information theory for understanding AI systems, and novel architectures to achieve world-leading audio-visual machine perception – together with the application of people-centred AI in healthcare, security, creative industries and the digital economy. The AI@Surrey cross-University research network (ai.surrey.ac.uk) established in 2018, demonstrates the breadth of AI related research across the University including 30+ research groups from world-leading AI expertise (CVSSP, Computer Science, Mathematics) to domain expertise across the three Faculties. The PAI Institute will realise our

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potential to lead AI for the benefit of society by establishing a unique collaborative research environment bringing together world-leading AI expertise with real-world domain expertise and industry partnerships to collectively address societal grand-challenges.

The formation of the PAI Institute builds on the University strategic priority in AI and Technology for the Benefit of Society. The appointments represent the Universities commitment to a substantial long-term investment to establish the University of Surrey as a beacon of national leadership for AI research, training and innovation in partnership with industry, the public sector, UKRI and government.

The University of Surrey is organised into three Faculties: Faculty of Arts and Social Science (FASS); Faculty of Engineering and Physical Sciences (FEPS); and the Faculty of Health and Medical Sciences (FHMS). The pan-University PAI Institute will bring together AI related research across the Faculties linking core AI expertise with domain expertise from Faculty Schools/Departments.

Relationships:

The appointee will report to the Director of the PAI Institute (Research) and the relevant Head of School/Department (Teaching) according to their domain expertise. S/he will establish working relationships with staff (including other academics, researchers, technicians and support staff) and students in the Department in addition to staff in the wider Institute, Faculty and university, as appropriate. S/he will liaise with sponsors and external bodies informally and formally, as necessary.

This addendum should be read in conjunction with the role specific addendums for each PAI Institute post.