

Research Role Profile

Job Title:	Research Fellow (1A)
Responsible to:	Head of research group, or principal investigator
Responsible for:	Not applicable

Job Summary and Purpose:

To undertake research in accordance with the specified research project(s) under the supervision of the principal investigator.

Main Responsibilities/Activities

To undertake a range of research activities within a specified research area, assuming responsibility for specific areas of projects and making use of new research techniques and methods, in consultation with the research award holder or supervisor. This may include fieldwork, interviews, laboratory experimentation, critical evaluation and interpretation, computer-based data analysis and evaluation or library research.

Using initiative and creativity to identify areas for research, develop new research methods and extend the research portfolio. Analysing and interpreting results of own research. Write up results and prepare papers for submission to appropriate journals and conferences, and other outputs as required and/or appropriate. Attend appropriate conferences for the purpose of disseminating research results of personal development. The post holder may also contribute to writing bids for research grants and will contribute to collaborative decision making with colleagues in areas of research.

Continually to update knowledge and develop skills, and translate knowledge of advances in the area into research activity.

To plan and manage own research activity in collaboration with others. To carry out administrative tasks associated with specified research funding, for example risk assessment of research activities, organisation of project meetings and documentation. Implementation of procedures required to ensure accurate and timely formal reporting and financial control.

To contribute to teaching in the Faculty by carrying out student supervision and/or demonstrating within the post holder's area of expertise and under the direct guidance of a member of departmental academic staff, as appropriate.

The post holder may occasionally be required to supervise more junior research staff.

Research Role Profile

Person Specification

The post holder must have:

A doctoral degree in a relevant discipline (although individuals who have almost completed a doctoral degree may be appointed). Consideration may also be given to individuals who do not hold a doctoral degree but have required skills based on a number of years experience in specified / relevant fields

The post holder will have authority over some aspects of project work and must be capable of providing academic judgement, offering original and creative thoughts and be able to interpret and analyse results.

Relationships and Contacts

Direct responsibility to the principal investigator or academic supervisor. The post holder may be asked to serve on a relevant Faculty committee. There may be additional reporting and liaison responsibilities to external funding bodies or sponsors. The post holder may work on original research tasks with colleagues in other institutions.

Special Requirements

To be available to participate in fieldwork as required by the specified research project

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.

Research Role Profile

Addendum to Role Profile

Job Title:

Research Fellow (1A)

Job Summary and Purpose:

This information sheet should be read in conjunction with the accompanying generic Research RA1A Role Profile and will be used for shortlisting processes. More specifically the post holder will be expected to:

The main responsibility of the post holder will be the development and implementation of new algorithms related to media processing and communications, the analysis of data collected from various sources throughout the project and dissemination of data.

Main Responsibilities/Activities

- The post holder will manage and drive, and have a negotiable degree of direct involvement in the collection of data from the field, as well as responsibility for managing the inputs from other partner organisations.
- In addition to their line manager at Surrey, the postdoctoral fellow will be liaising closely and regularly with other members within the research group (CVSSP) at Surrey and with European investigator teams in the CONTENT4ALL project.
- The post holder will play a prominent role in the production of material for project deliverables, dissemination of the results of the project at scientific meetings and in published articles.

Research Role Profile

Person Specification

The post holder must have:

- An excellent mathematical and programming background related to media processing/communications or telecommunications, and extensive experience in C/C++ programming.
- Knowledge of and experience working in video processing, video coding, cloud communications, 5G and next generation internet technologies
- Experience working with the industry to communicate technical concepts and implement technologies demonstrations etc. is desirable.
- Knowledge of signal processing methods related to video coding, video processing
- Experience in 5G, next generation internet technologies and cloud communications (D)
- Experience working with industry partners, implementation of technology demonstrators and in commercialisation of research output (D)
- Excellent mathematical and programming background
- Excellent scientific writing skills and a high proficiency in English
- Strong interpersonal skills

The post holder must be:

- Willing and able to travel internationally
- Able to work independently
- Able to operate efficiently in an interdisciplinary and international research team