

Research Role Profile

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

Undertake research in accordance with the specified research project under the supervision of the principle investigator.

Main Responsibilities/Activities

- Undertake a range of research activities within the specified area with a focus on modelling tool development and validation, and computer-based simulation including computational fluid dynamics (CFD) and Fluid-Structure Interaction. Liaise with collaborating partners on the project to exchange knowledge, findings and data. The successful candidate will deliver modelling tools and physical insights which may improve the state of the art in advanced sealing, and which have an impact on industry including the project partners.
- Use initiative and creativity in the solution to problems and in developing answers to the main research questions. Apply critical thinking and analysis of the results of their own research, and write up results and prepare papers for submission to the appropriate journals and conferences, and other outputs as required and/or appropriate.
- Continually update technical knowledge and skills including via a survey of the literature and available methodologies, and translate knowledge of such advances in the area into the research activity.
- Plan and manage your own research activity in collaboration with others internally and externally, to meet project deadlines and to enable downstream activities. May be required to assist in the guidance and supervision of one PhD student.

Research Role Profile

Person Specification

The post holder must have:

A doctoral degree in a relevant discipline, together with journal publications in a relevant field. A high level of research competence and oral and written communication skills, with a focus on quality and an attention to detail. Experience with programming would be a distinct advantage. Prior experience in research or in industry and working within a collaborative team is desirable although not essential.

Relationships and Contacts

The post holder will report directly to the principal investigator and academic supervisors. The post holder will work collaboratively with a PhD student at Surrey and will have the opportunity to influence the research direction in this and future projects. They will contribute to reporting and liaison with external academic and industry partners or sponsors and, where required, funding bodies.