

Research Role Profile

<b>Job Title:</b>	Research Fellow (RA1)
<b>Responsible to:</b>	Head of research group, or principal investigator
<b>Responsible for:</b>	Responsibility for staff within own research group

**Job Summary and Purpose**

To deliver research in accordance with the specified research project.

**Main Responsibilities/Activities**

To contribute to the development of the research of the Faculty, by planning and carrying out research activity within a specified area, often in collaboration with colleagues.

To take a significant role in planning, co-ordinating and implementing research programmes and, where appropriate, commercial and consultancy activities. To take lead responsibility for a small research project or identified parts of a large project. This may include planning fieldwork, data analysis and evaluation and laboratory experimentation. To make decisions about research programmes and methodologies, often in collaboration with colleagues, and to resolve the problems of meeting research objectives and deadlines. To develop new concepts and ideas to extend intellectual understanding. Assess, interpret and evaluate the outcomes of research, and develop ideas for the application of research outcomes. To take a role in the regular publication of results in appropriate journals, in giving presentations at national and/or international conferences, and in other outputs as required and/or appropriate.

Continually to update knowledge and develop skills. To extend, transform and apply knowledge acquired from scholarship to research and appropriate external activities.

To carry out management and administrative tasks associated with specified research funding, including managing and developing staff within their projects; risk assessment of project activities; organisation of project meetings and documentation; management of resources, preparation of annual reports, and management or monitoring of research budgets. To oversee and implement procedures required to ensure accurate and timely formal reporting and financial control.

To undertake liaison with external organisations including equipment manufacturers, steering committees, associated academic facilities and commercial users.

## Research Role Profile

### Person Specification

#### The post holder must have:

Normally a doctoral degree in a relevant discipline, together with appropriate experience of working in a similar area of work.

The post holder will need to demonstrate a high level of competence and independent standing in research by being nationally recognised within their area of discipline, publishing regularly in recognised appropriate journals and attracting research funding for their own work or for other staff within the research group.

### Relationships and Contacts

The post holder may have a key responsibility to the principal investigator, with prime responsibility for reporting and liaison with external funding bodies or sponsors. The post holder will also supervise the activities of PhD students and technician staff within the particular research group

### 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

<b>Job Title:</b>	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:

Development, implementation and configuration of an environmental detection system required for autonomous driving, including testing/demonstration and analysis of its functionality.

**Main Responsibilities/Activities**

- Management, development and configuration of the environmental detection system of the university's fully autonomous electric quadricycle ZEBRA (Zero Emission test Bed for Research on Autonomous driving).
- Collection and analysis of relevant data through testing of the environmental detection system in real life scenarios and document the findings.
- Liaise with other researchers to organise, support and attend demonstration and dissemination events.

These duties provide a framework for the post and should not be regarded as a final list. Other reasonable duties may be required consistent with the grade of the post.

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### Person Specification

#### The post holder must have:

- Knowledge and experience working with sensors and control/software configuration.
- Understanding of software development.
- Experience of data collection, analysis and interpretation of results.
- Good analytical and problem-solving skills.
- Good time management and planning skills with the ability to meet deadlines.
- Good written and verbal communication skills.
- Strong interpersonal skills.

#### The post holder must be:

- Willing and able to travel to local vehicle test sites.
- Able to work independently.