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| **Job Title:** | Research Fellow (RAII) in Future Network Intelligence |

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| **Responsible to:** | Head of research group, or principal investigator |

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| **Responsible for:** | Responsibility for staff within own research group |

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| Job Summary and Purpose |
| To plan and deliver research in accordance with the specified research project. To contribute to securing funding for own research projects and for projects for those staff under their direct supervision. |

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| 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.  To develop innovative research proposals (as a self-contained item or as part of a broader programme), identifying sources of funding, submitting funding bids, and gaining positive reviews for these. Promoting own area of research.  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.  To contribute to teaching within the Faculty by carrying out student supervision, demonstrating or lecturing duties within the post holder’s area of expertise. May be required to contribute to the supervision of research students. |

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| **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. |

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| **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. As a senior member of the project team, the post holder will also supervise the activities of research and technician staff within the particular research group |

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| **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.

**Addendum to Profile**

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| Job Summary and Purpose: |
| This information sheet should be read in conjunction with the accompanying generic Research Role Profile and will be used for shortlisting processes. More specifically the post holder will be expected to:  Lead and carry out independent research (with a small sized group consistent of junior RAs and PhD students) to work on the topic of future network intelligence in converged digital infrastructures, mainly focusing on the network and service management as well as the delivery on emerging immersive content applications in future network environments. |

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| Main Responsibilities/Activities |
| 1. Independently perform research activities in the NG-CDI project, including algorithm design, simulation/testbed software development and performance evaluations  2. Lead a small research group and start to build up research expertise in the area of intelligence for network control and content delivery in 5G and beyond network environments.  3. Make technical contributions to the 5GIC work area 1 activities and disseminate to industrial partners and externally. The research carried out should be strictly based on the 5GIC technical assumptions and system requirements  4. Lead the writing of high-quality research papers which should target prestigious journals and conferences, in particular 4\* research outputs  5. Leading and contributing to necessary deliverables, write papers required in NG-CDI project and 5GIC  6. Technically supervise junior RAs and PhD students. |

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| **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. |

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| **Relationships and Contacts** |
| Direct responsibility to the principal investigator of the NG-CDI project. 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. |