

Candidate Information

Position: Research Engineer - Centre for Wireless Innovation
School/Department: Centre for Wireless Innovation
Reference: 25/113012
Closing Date: Monday 1 December 2025
Salary: £41,519 - £49,536 per annum.
Anticipated Interview Date: Thursday 11 December 2025
Duration: 5 years

Job Purpose

To assist with the management and delivery of engineering support related to Radio Frequency (RF), microwave, millimetre-wave fabrication and measurement facilities within the Centre for Wireless Innovation (CWI), School of Electronics, Electrical Engineering and Computer Science.

MAJOR DUTIES:

Research and Development

1. Contribute to the delivery of RF, microwave and millimetre-wave related research projects in line with CWI research strategies.
2. Assist with initiatives to establish world-class demonstrators or capabilities.
3. Engage in research related activities to enhance CWI's national/international reputation. This includes technology transfer projects, commercial activity, and independently funded research.
4. Contribute to innovative research proposals in pursuit of commercial or government or research council funding.
5. Assist with the project management of research projects and contracts ensuring that they are completed on time and within budget.
6. Champion and lead the establishment of a sustainable and internationally competitive fabrication and measurement capability within CWI.
7. Help develop and maintain collaborations with national / international research and industrial partners.
8. Provide mentoring, supervision and training to research staff and PhD students as appropriate.
9. Carry out administrative tasks to ensure project goals are completed on time and within budget.
10. Undertake any other duties that may reasonably be requested by management.

Essential Criteria:

1. A 2:1 Honours Degree or higher in an engineering or physical sciences discipline, which must include modules in core electrical and electronic engineering topics.
2. Extensive experience of setting up and using test and measurement equipment used for wireless communications, microwave or millimetre wave device testing e.g. vector network analysers, spectrum, power, noise and antenna measurement systems (minimum of 5 years).
3. Knowledge and experience of prototype fabrication equipment such as mechanical PCB etching and laser ablation equipment.
4. Knowledge and experience of working with industry standard EDA/PCB layout and electromagnetic simulation tools.
5. Programming skills e.g. Java, Python or similar.
6. Evidence of ability to take responsibility for delivering and maintaining state of the art test and measurement facilities.
7. Ability to communicate information clearly both orally and in writing.
8. Evidence of strong presentation skills and ability to prepare clear and concise presentation materials.
9. Strong team player, prepared to work closely with other members of a large multidisciplinary research and development team.
10. Ability to interact constructively with others including senior academic staff and industrial / government collaborators.
11. Strong drive to complete projects on time and to deliver the promised outcomes.
12. Willingness to attend meetings nationally and internationally as requested.

Desirable Criteria:

1. Evidence of executing and managing industrial and/or research projects to completion.
2. Experience of activities which support and contribute to commercialisation and economic impact.