

## Research Assistant –RFID, IoT and Data Analytics

The Institute of Technology Tralee has established a world-class applied research centre in the area of Intelligent Mechatronics and Radio-frequency identification (RFID) i.e. The Intelligent Mechatronics and RFID Centre - IMaR.

The principal theme of the **IMaR Centre** is the synergy between mechatronics, Sensors, RFID, Internet of Things (IoT) and Data Analytics for industrial applications driven by new technology, innovation and global demand. IMaR consists of two research strands **Intelligent Mechatronics** and **Radio Frequency Identification & Internet of Things** both focused on the delivery of a wide range of automation, identification and manufacturing services. IMaR is core funded by Enterprise Ireland under the Technology Gateway Programme and houses state-of-the-art research facilities.

The IMaR Centre offers an opportunity to work at the forefront of leading edge research across a large cross section of industries including Automotive, Telecommunications, Pharmaceutical, Production / Manufacturing, Aeronautical, Environmental and Agriculture.

### Minimum Qualifications

Applicants are required to have a minimum of an honours degree in a computing, electronics or related discipline. Experience of software development and/or web development is essential. Experience with Radio Frequency Identification (RFID), Sensors and/or IoT related technology would be desirable.

Candidates **must** demonstrate the following:

- Strong software design and development skills.
- Familiarity with current developments in the area of software development.
- Familiarity with current developments in the area of RFID and/or the Internet of Things.
- Ability to exercise a degree of innovation and creative problem solving.
- Ability to work under the general supervision of a more senior colleague who will determine the broad direction of the work to be undertaken.
- Demonstrates clear, logical and concise written and oral communication skills.
- Ability to prioritise and meet deadlines.
- Ability to work independently in some activities and as part of a team.

The following skills would be desirable:

- Familiarity with object orientated programming languages such as Java, C#.
- Familiarity with Web based technologies such as Java Script, PHP, Web Services and DBMS.
- Self-motivated, reliable and hard-working
- Familiarity with Sensors and Internet of Things related hardware and software technology.
- Familiarity with data presentation techniques, data analytics and mathematical modelling / statistical packages such as Matlab, R-Project, Pandas or similar.
- Familiarity with the academic research and industrial environments and willingness to contribute to the group as a whole to develop future projects.
- Self-motivated, reliable and hard-working

## Job Role and Description

- Work on applied industrial projects in RFID and IoT and in other areas of computing, including software development.
- Work on applied industrial projects in the area of data presentation and data analytics.
- Responsible for the development of demonstrator or proof of concept prototypes.
- Communicate with clients on project requirements
- Create project documentation.
- Work with other team members, including postgraduate and researchers as directed by the project lead.

## Salary

This position is for a period 12 months. A salary of up to €30,502 per annum will apply to this post, dependant on employee qualifications and experience.

## Application Procedure

All applications must be made online at [www.ittralee.ie](http://www.ittralee.ie)

## Location

This post is located at IMaR in the Institute of Technology, Tralee however occasional visits will be essential to collaborate with Industrial and Academic Partners.

## Informal Enquiries

Informal enquiries ONLY may be addressed to Keith Phelan, email: [keith.ofaolain@staff.ittralee.ie](mailto:keith.ofaolain@staff.ittralee.ie)

**Closing date for applications is 12.00 noon on Friday 19<sup>th</sup> May 2017.**

**Applications received after the closing date will not be accepted.**