

## Clinical Research Engineer – Maternity Leave Backfill

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

The principal theme of the IMaR Centre is the synergy between mechatronics and RFID for industrial applications in the highly technological manufacturing industry driven by new technology, innovation and global demand. Mechatronics is a multidisciplinary field of engineering that includes a combination of mechanical engineering, electrical engineering, control engineering and computer engineering. Radio-frequency identification (RFID) is the wireless non-contact use of radio-frequency electromagnetic fields to transfer data, for the purposes of automatically identifying and tracking tags attached to objects.

The centre is core funded by Enterprise Ireland and houses state-of-the-art research facilities. The overall mission of the IMaR Centre is to be industries partner of choice for the provision of innovative applied research. The IMaR Centre will serve a cross section of industries including Automotive, Telecommunications, Pharmaceutical, Production / Manufacturing, Aeronautical, Environmental, healthcare and Agri-business.

## Minimum Qualifications

Applicants are required to have a minimum of a bachelor's degree in Biomedical/Clinical Engineering or equivalent.

Candidates **must** demonstrate the following:

- Engineering Experience within a research Environment
- Electronic and Mechanical Hardware design and fabrication
- Experience with electronics; analogue, digital, embedded etc
- A basic knowledge of clinical processes & instrumentation
- Good organizational skills
- An ability to manage resources
- The working knowledge of PCB layout and schematic capture packages

The following skills would be desirable:

- Familiarity with mechanical system design and materials technology
- Familiarity with the academic research and industrial environments and willingness to contribute to the group as a whole to develop this and other projects.
- Self-motivated, reliable and hard-working

## Job Role and Description

- The successful candidate will work on the delivery of an SFI funded research project in collaboration with the Bons Secours Hospital group relating to biomedical/clinical engineering within the healthcare sector.
- Responsible for research co-ordination, project development and project deliverables prototype to project partners.
- Conducting clinical research as outlined in the project tasks and deliverables
- Communicate with clients on project requirements
- Create project documentation, including funding application through the project deliverable documents.
- Work with other team members, including postgraduate and researchers as directed by the project lead.

## Salary

This position is for a period 6 months. A salary of €27,351 to €32,993 per annum will apply to this post, dependant on employee qualifications.

## 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 made to collaborate with Industrial and Academic Partners.

## Informal Enquiries

Informal enquiries ONLY may be addressed to Dr. Joseph Walsh, email: [joseph.walsh@staff.ittralee.ie](mailto:joseph.walsh@staff.ittralee.ie)

**Closing date for applications is 12.00 noon Thursday, 31<sup>st</sup> August 2017**

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

