

Research Assistant – Hardware Design / Electronic Engineering

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 and Agri-business.

Minimum Qualifications

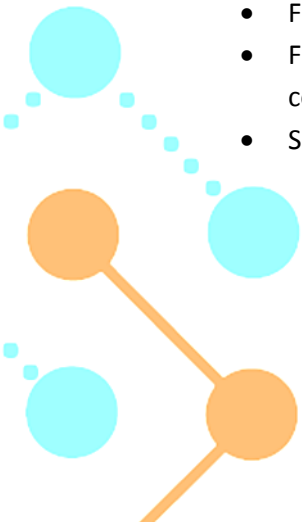
Applicants are required to have a minimum of a bachelor's degree in Electronic Engineering / Applied Physics or equivalent.

Candidates **must** demonstrate the following:

- Experience with Electronic and Mechanical Hardware design and fabrication
- Experience with embedded systems
- Experience with electronics; analogue, digital, embedded etc.
- Working knowledge of manufacturing processes & instrumentation.
- Working knowledge of CAD design packages
- 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 projects relating to mechanical and electronic engineering, manufacturing and process automation.
- Responsible for delivering hardware prototypes to industrial partners.
- 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 €29,794 per annum will apply to this post, dependant on employee qualifications.

Application Procedure

All applications must be made online at 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 Mr. Krishna Panduru, email:
Krishna.Panduru@staff.ittralee.ie

Closing date for applications is 12.00 noon on Friday 24th November 2017

Applications received after the closing date will not be accepted