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.

- 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 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 11 months. A salary of up to €29,637 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

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 Dr. Pat Doody, email: pat.doody @staff.ittralee.ie

Closing date for applications is 12.00 noon Thursday 2nd June 2016.

Applications received after the closing date will not be accepted.

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