

Research Assistant: Aquaculture

The IMaR (Intelligent Mechatronics and RFID) Centre @ IT Tralee is an applied research centre delivering expertise in the areas of hardware (mechatronics, robotics and control systems), software (data management and intelligent systems), IoT (RFID, Sensors) and data analytics for increased productivity in the manufacturing, agriculture and process sectors to our regional industry partners.

IMaR is currently recruiting for a Research Assistant to support a research programme in the area of aquaculture (shellfish farming). The main requirements of this post will be to provide field support to a research project, gathering growing process data from multiple shellfish farms throughout Ireland, evaluate, collate and document that data which will feed into a larger research project. The successful candidate will have the ability and integrity to collect meaningful scientific data in both field and laboratory research environments and the candidates will have the ability to work independently and as a member of a team of researchers.

This project is directly funded by Bord Iascaigh Mhara. The overall mission of the IMaR Centre is to be industries partner of choice for the provision of innovative applied research. The IMaR Centre serves 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 an honours degree, with a demonstrable knowledge of aquaculture or a related discipline. Experience of aquaculture relating to shellfish farming would be an advantage.

Candidates **must** demonstrate the following:

- Strong knowledge of aquaculture.
- Familiarity with current developments in the area of aquaculture.
- Ability to exercise a degree of analytical thinking and in-depth investigation of processes.
- 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 shellfish farming.
- Familiarity with farmed shellfish life-cycles and growing processes.
- Familiarity with factors relating to shellfish health and growth.
- Familiarity with Microsoft Office or related documentation tools.
- Familiarity with the academic research and aquaculture / shellfish farming environments and willingness to contribute to the group as a whole to develop future projects.
- Self-motivated, reliable and hard-working



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Job Role and Description

- Work on an applied industrial projects in the aquaculture space, dealing specifically with the shellfish industry.
- Work on applied industrial projects in the area of data and information gathering and scientific analysis of gathered data.
- Responsible for gathering shellfish growing process information form a diverse range of sources and documenting and summarising that data.
- Communicate with clients on project requirements
- Create project documentation.
- Work with other team members, including postgraduate and researchers as directed by the project lead.
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Salary

This position is for a period 11 months. An attractive salary 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 Daniel Riordan, email: Daniel.riordan@staff.ittralee.ie

Closing date for applications is 12.00 noon on Wednesday, 08th May 2019.

Applications received after the closing date will not be accepted.



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