Research Centre	Adaptive Sensors Group, INSIGHT Centre for Data Analytics National Centre for Senor Research, DCU
Post Title	Research Assistant, Systems Integration & Rapid Prototyping
Post Duration	9 Months

Background
This position is focused on the delivery of electronic circuit design and fabrication for integration into functioning sensor platforms across several projects including (i) the in-situ detection and mapping of freshwater plumes in the marine environment; (ii) wearable sensors for monitoring sweat composition in real-time. The successful candidate will play a substantial role in the design and fabrication of these devices as well as support in their performance evaluation during trials. He/she will join a multidisciplinary team whose ethos is to mutual support across a range of projects, drawing on combined team expertise ranging across mechanical/electronic engineering, computer science, wireless communications, web database management, environmental science, materials science, and analytical chemistry.

Duties and Responsibilities
Reporting to his / her Principal Investigator the Research Assistant will:

- Ensure that the project objectives are delivered, specifically, the delivery, characterisation and field deployment of functioning instruments for monitoring the marine environment in the greater Galway bay region
- Work closely with trial partners to support the operation of platforms and to ensure data is remotely accessible via web databases in an appropriate format for their needs.
- Participate in meetings with the interested parties (e.g. end-users, external industry and academic partners) and assist in promoting the technology being brought to market (e.g. conferences and tradeshows).
- Attend, and contribute to, group meetings
- Maintain an up-to-date profile on the group website

Experience and Qualifications
Candidates should have work/postgraduate experience in which design-for-manufacture and rapid prototyping played a significant element and ideally a primary degree in mechanical/electronic or mechatronic engineering. A background in microcontroller programming and electronic circuit design and production will be important for this position. Expertise in systems integration, 3D CAD/CAM design, and familiarity with fabrication techniques would be an advantage.

Closing Date: 19th December 2014

Salary in the range €21,850 – €25,330

Subject to experience and qualifications

Informal enquiries: contact Prof. Dermot Diamond (dermot.diamond@dcu.ie)

Application forms are available from:
Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 7005149 Fax: + 353 1 700 5500 Email: hr.applications@dcu.ie

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