



**CLARITY: Centre for Sensor Web Technologies
Dublin City University**

**Research Fellow(s) – Level 2
Postdoctoral Researcher(s) – Level 1**

Post Durations: Up to 4 years

As part of this role the successful candidate shall be required to participate in the DCU **Research Career Framework**. This framework is designed to provide significant professional development opportunities to Researchers and offer the best opportunities in terms of a wider career path.

CLARITY is an SFI-funded CSET (Centre for Science Engineering and Technology), a research centre that focuses on the intersection between two important research areas - Adaptive Sensing and Information Discovery. It is a partnership between University College Dublin, Dublin City University and the Tyndall National Institute. CLARITY employs over 100 researchers including PhD students, postdoctoral researches and administrative staff, across the three sites and has over 40 ongoing research projects funded by SFI, Enterprise Ireland, Marine Institute, Environmental Protection Agency, EU FP7, European Space Agency, and directly by our industry partners.

Role:

As a result of recent research funding successes, the CLARITY centre at DCU seeks a number of Research Fellows and Postdoctoral Researchers to work in the areas of image and video analysis, image and video indexing, image and video search, lifelogging, user interface design, computer vision algorithm development, 3D video processing including re-construction, and other forms of multimodal data processing using data from a variety of sensor sources and inputs. Experience of building robust content-based management systems is an added advantage.

Principle Duties and Responsibilities

Reporting to his/her Principal Investigator the Research Fellow will:

- Conduct a specified programme of research under the supervision and direction of the Principal Investigator
- Support the PI and research group in the design and development of the research programme
- Substantially contribute to the identification of external funding sources and assist in the writing of grant proposals
- Mentor, assist and supervise postgraduate research students and junior research staff as required

- Assist the PI in the management / co-ordination of key aspects of the research programme (e.g. financial management, reporting, equipment management etc.)
- Engage in the dissemination of the results of the research in which he/she is engaged to the wider research community with the support and under the supervision of the Principal Investigator
- Engage in appropriate training and development opportunities as required by the Principal Investigator, the School or Research Centre, or the University.
- Engage in teaching and teaching support as assigned by the Head of School under the direction of the Principal Investigator
- Engage with internal and external stakeholders including academic and industry partners/collaborators as appropriate
- Carry out administrative work associated with the programme as necessary

Reporting to his/her Principal Investigator the Postdoctoral Researcher will:

- Conduct a specified programme of research under the supervision and direction of the Principal Investigator
- Assist in identifying and developing future research and funding initiatives
- Engage in the dissemination of the results of the research in which he/she is engaged with the support of and under the supervision of the Principal Investigator
- Supervise and assist undergraduate students working in this area with their research
- Engage in appropriate training and development opportunities as required by the Principal Investigator, the School or Research Centre, or the University.
- Engage in teaching and teaching support as assigned by the Head of School under the direction of the Principal Investigator
- Liaise with both internal and external stakeholders including industry and academic partners/collaborators
- Carry out administrative work associated with the programme of research as necessary

Minimum Criteria

Applicants for the position of Research Fellow must have a PhD in a relevant discipline. Applicants should have a minimum of 4 years relevant postdoctoral research experience or equivalent at Level 1 of the Research Career Framework. In addition, it is desirable that applicants have experience in the areas mentioned earlier in describing the role for the positions.

Applicants for the position of Postdoctoral Researcher should have a PhD in a relevant discipline. In addition, it is desirable that the candidate has experience in the areas mentioned earlier in describing the role for the positions.

Salary Scale: ~~€37,750~~ - ~~€46,255~~ (**Postdoctoral Researcher**)
 ~~€42,394~~ - ~~€56,442~~ (**Research Fellow**)
 Subject to experience and qualifications

Closing Date: **3rd November 2011**

Candidates for positions of Research Fellow will be assessed on the following competencies:

Discipline knowledge and Research skills – Demonstrates the ability to design and implement part of a programme of research (for example by using critical thinking and the application of relevant research methodologies)

Understanding the Research Environment – Demonstrates a thorough understanding of the research environment both nationally and internationally and the ability to contribute substantially to grant applications

Communicating Research – Demonstrates the ability to communicate their research effectively to the research community and wider society (for example by publishing their research in high quality peer reviewed journals) and the ability to teach and tutor students

Managing & Leadership skills - Successfully manages research projects including the management and supervision of postgraduates and/or junior research staff

Candidates for positions of Postdoctoral Researcher will be assessed under the same competency headings as above at a level appropriate to the role.

Application Procedure

Informal enquiries:

Candidates are encouraged to contact Prof Alan Smeaton, CLARITY, DCU, Dublin 9
E-mail: alan.smeaton@dcu.ie for informal discussion before submitting an application

Application forms are available from:

www.dcu.ie/vacancies/APPLICATION_FORM_8pg.doc and from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 1 700 5149; Fax: +353 1 700 5500 Email: hr.applications@dcu.ie

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