



Postdoctoral Researcher - Level 1
(18 Month Fixed Term Contract)
School of Electronic Engineering
Dublin City University

This position will be based in the School of Electronic Engineering working closely with the RINCE Institute and the Cloud Computing Research Centre (CloudCORE).

Post title: Postdoctoral Researcher (Level 1)

Level on Framework: Level 1

Post duration: 18 Month Contract

Background & Role:

The Postdoctoral Researcher is required to conduct advanced research as part of an *Enterprise Ireland – Ericsson - DCU* two-year joint research program into advanced performance management technologies for mobile networks. This programme will analyse the network behaviour and will employ advanced recommender systems to provide real time solutions to heterogeneous networks for Telecommunications Management Systems. Related areas of interest are complex event processing (data source), predictive analytics, recommender systems and big data technologies (e.g., Hadoop or MapReduce).

The desired candidate should have a PhD in Computer Science, Electronic Engineering or relevant field with preferably some post PhD experience. The candidate should have strong fundamental knowledge and in-depth specialization in one of the areas above and an internationally established research experience of conducting independent research, publishing at leading international venues, collaborating with other researchers at national and international level, and mentoring and supervision of students or junior researchers. The candidate should be comfortable working in an academic environment, while at the same time, any experience in collaborating with different companies is appreciated.

Principle Duties and Responsibilities:

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

- Conduct a specified programme of research under the supervision of the PI
- Support the PI and research group in the design and development of research
- 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
- Supervise undergraduate project students working in the area of their research
- Assist the PI in the management / co-ordination of key aspects of the research programme (e.g. 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 collaborators as appropriate
- Carry out administrative work associated with the programme as necessary

Note:

As part of this role, the researcher will 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.

Minimum Criteria:

- A PhD on the topic, or a closely related topic
- Excellent spoken and academic writing skills in English
- Excellent presentation skills and a track record in presenting at high impact conferences
- Publication record, ideally in high-impact journals
- Excellent collaborative skills and a willingness to collaborate and take direction
- Ability to work to tight deadlines

Additional desirable skills:

- Programming skills
- Experience in collaboration with industry

Salary: €37,750*
*Subject to experience and qualifications

Closing date: Friday 22nd February 2013

Candidates 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

Informal enquiries to:

Dr. Gabriel-Miro Muntean

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Application Procedure:

Application forms are available at: <http://www4.dcu.ie/hr/vacancies/current.shtml> and from the Human Resources Department, Dublin City University, Dublin 9. Tel: (01) 700 5149; Fax: (01) 700 5500
Email: hr.applications@dcu.ie

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