

Research Centre	INSIGHT Centre for Data Analytics
Post Title	Post-Doctoral Researcher in Large-Scale Video Analytics
Post Duration	Fixed Term Contract up to 2 years

Research Career Framework

As part of this role the researcher will be required to participate in the DCU Research Career Framework <http://www.dcu.ie/hr/ResearchersFramework/index.shtml>. This framework is designed to provide significant professional development opportunities to Researchers and offer the best opportunities in terms of a wider career path.

Role

The post is associated with the EU funded Cloud-LSVA (Large Scale Video Analytics) project (<http://cloud-lsva.eu/>) that is addressing the challenges of managing, analysing and indexing the large quantities of video data produced by instrumented vehicles. The role of DCU within the project is to apply our existing expertise in computer vision, machine learning, data analytics and multimedia information retrieval to support the semi-automatic annotation of high volumes of video data. The candidate will join a team of researchers working on this project and others in the media analytics group at Insight DCU. To complement existing skills we are seeking a candidate with experience in big data management (including non-relational databases), content-based multimedia systems, data modelling and/or multimedia information retrieval. As a practical project, strong software engineering and implementation skills are required (e.g., Python, C++, Java) and experience using the Google App Engine, Linux and Docker are highly desirable. The candidate will contribute to project deliverables and conduct research in the area of scalable multimedia data management.

Principle Duties and Responsibilities:

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.
- Attend project meetings (within the EU) and contribute as required to integration and testing tasks

Criteria:

Applicants must have a PhD in Computer Science, Engineering or similar. In addition, it is desirable that the candidate has a subset of the following skills:

- A strong background in multimedia analytics, big data management, machine learning or computer vision;
- Excellent programming skills, Python or C++ preferred;
- Experience with Google App Engine, Docker, Linux, Deep Learning;
- Excellent presentation and communications skills;
- Excellent team-working skills.

Salary: €37,750 - €46,255*

**Appointment will be commensurate with qualifications and experience, and will be made on the appropriate point of the salary scales, in line with current Government pay policy.*

Closing Date:

12th September 2016

Candidates will be assessed on the following competencies:

Discipline knowledge and Research skills – Demonstrates knowledge of a research discipline and the ability to conduct a specific programme of research within that discipline and in collaboration with industry and research partners.

Understanding the Research Environment – Demonstrates an awareness of the research environment (for example funding bodies and key industry players) and the ability to contribute to grant applications.

Communicating Research – Demonstrates the ability to communicate their research with their peers, with industry partners, and with the wider research community (for example presenting at conferences and publishing research in relevant journals) and the potential to teach and tutor students

Teamwork & Managing skills - Demonstrates the potential to work within a team contributing to a research project and manage their work responsibly to meet partner expectations regarding project turn-around times.

Informal enquiries to: Professor Noel O'Connor (noel.oconnor@dcu.ie) or Dr Suzanne Little (suzanne.little@dcu.ie)

Please do not send applications to these email addresses, instead apply as described below

Application Procedure:

Application forms are available from the DCU Current Vacancies (Open Competitions) website at <http://www4.dcu.ie/hr/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0)1 700 5149.

Applications should be submitted by email to hr.applications@dcu.ie or by Fax: +353 (0)1-7005500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

Please clearly state the role you are applying for in your application and email subject line: Job Ref # 398 Post-Doctoral Researcher in Large-Scale Video Analytics

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