



**Research Centre**

ADAPT Centre for Digital Content Technology

**Post title**

Post-Doctoral Researcher in Deep Learning and Machine Translation

**Level on Framework**

Level I

**Post duration**

Fixed Term Contract up to three years

As part of this role the researchers 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.

**Background & Role**

ADAPT is Ireland's global centre of excellence for digital content technology. Led by TCD, it combines the expertise of researchers at four universities (Trinity College Dublin, Dublin City University, University College Dublin, and Dublin Institute of Technology) with that of its industry partners to produce ground-breaking digital content innovations.

ADAPT brings together more than 120 researchers who collectively have won more than €100m in funding and have a strong track record of transferring world-leading research and innovations to more than 140 companies. With €50M in new research funding from Science Foundation Ireland and industry, ADAPT is seeking talented individuals to join its growing research team. Our research and technologies will continue to help businesses in all sectors and drive back the frontiers of future Web engagement.

### **Principal Duties and Responsibilities**

The successful candidate will work within a large group of Postdoctoral researchers, PhD students and Software Developers. The work of the post-doctoral researcher will be fundamental in discovering ADAPT research breakthroughs in the area of natural language processing and machine translation as identified in the research plan agreed with SFI.

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

- Research solutions to apply deep learning technologies in natural language processing and machine translation.
- Produce top-quality journal and conference publications, in collaboration with the Principal Investigator (PI).
- Assist in identifying and developing future research and funding initiatives.
- Identify and write proposals for research funding.
- Participate in ADAPT Centre activities, such as industry showcases and annual reviews.
- Provide support and advice to PhD students working on similar topics.
- Contribute to teaching and supervision in the School of Computing.
- Report on progress at meetings and in writing to ADAPT Centre Management.
- 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 PI.
- Engage in appropriate training and development opportunities as required by the PI, the School or Research Centre, or the University.
- 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.

### **Funding Information**

The position is funded through the Science Foundation Ireland (SFI) ADAPT Research Centre.

### **Minimum Criteria**

It is essential that applicants have a PhD in computer science or a related discipline. In addition, it is desirable that the candidate has a subset of the following skills:

- A strong background in natural language processing and translation technologies.
- Excellent machine learning skills, familiar with deep learning technologies.
- Excellent programming skills.
- Excellent research skills.
- Excellent presentation and communication skills.
- Excellent team-working skills.

Note that demonstrable experience in industries would be advantageous, as the successful applicant will be expected to spend approximately 20% of their time on the ADAPT Spokes programme on applied research topics of interest to our industry partners.

**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:** 12<sup>th</sup> 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 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

**Managing & Leadership skills** - Demonstrates the potential to manage a research project including the supervision of undergraduate students and to meet industry partner expectations regarding project turn-around times.

**Application Procedure**

**Informal Queries to:** Sinead Gorham [sinead.gorham@adaptcentre.ie](mailto:sinead.gorham@adaptcentre.ie) Please include the ADAPT Position Title in all email communications.

Application forms are available from the DCU Current Vacancies (open Competitions) website at <http://dcu.ie/hr/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 7005149.

**Please clearly state the role that you are applying for in your application and email subject line: Job Ref 387 Postdoctoral Researcher in Deep Learning and Machine Translation**

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

Dublin 9.Human Resources Department, Dublin City University, Dublin 9. Tel: +353 1 700 5149; Fax: +353 1 700 5500 Email: [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

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