



Research Centre	ADAPT Centre, Centre for Digital Content Platform Research
Post title	Post-Doctoral Researcher in Machine Translation Evaluation – Three Posts
Level on Framework	Level 1
Post duration	Fixed Term Contract Up to 28 Months

Research Career Framework

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

The ADAPT Centre for digital content platform technology seeks to appoint three postdoctoral researchers in Machine Translation (MT) Evaluation as part of the H2020-funded project TraMOOC: Translating Massive Open Online Courses via MT. TraMOOC is a 3-year project funded by the European Commission. It started in February 2015 and is due to end in January 2018. It is envisaged that two posts will commence in October/November 2015 and the third post will commence in March/April 2016.

TraMOOC is an affiliate project in the ADAPT Centre at Dublin City University (DCU). ADAPT is Ireland's global centre of excellence for digital content technology. Led by Trinity College Dublin (TCD), it combines the expertise of researchers at four universities (TCD, DCU, 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 on the TraMOOC project, embedded within a large group of Postdoctoral researchers, PhD students and Software Developers at DCU. The work of the post-doctoral researcher(s) will be fundamental in assessing the MT quality of the engines built in TraMOOC as identified in the research plan agreed with the European Commission.

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

- Conduct automatic evaluations of the MT quality using a range of metrics for a number of language-pairs.
- Conduct human evaluations of the MT quality for a number of language-pairs.
- Conduct research on human assessment of MT quality.
- Produce top-quality journal and conference publications, in collaboration with the Principal Investigator (PI).
- Write and review project deliverables.
- Assist in identifying and developing future research and funding initiatives.
- 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 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 by the European Commission under the Horizon 2020 programme.

Minimum Criteria

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

- A strong background in translation quality assessment, including diagnostic evaluation, MT ranking experiments, evaluating MT in production, user-feedback

etc.

- Knowledge of Statistical MT and translation technology, with particular emphasis on Moses-based SMT models.
- Thorough familiarity with European projects.
- Excellent report-writing skills.
- Excellent research skills, with experience, ideally, in the following:
 - a wide knowledge of automatic and human MT evaluation metrics,
 - up-to-date knowledge of the main research areas in MT, and thorough knowledge of deployment of MT in the translation industry.

Salary: €37,750 - €46,255

Appointment will be commensurate with qualifications and experience.

Closing date: Tuesday 22nd September, 2015

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.

Informal Queries to: John Judge – jjudge@computing.dcu.ie. Please include the Position Title in all email communications.

Application Procedure

To apply for this role, application forms are available from the DCU Current Vacancies (open Competitions) website at <http://www.dcu.ie/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 183: Post-Doctoral Researcher in Machine Translation Evaluation

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

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