<table>
<thead>
<tr>
<th>Research Centre</th>
<th>ADAPT Centre, Centre for Digital Content Platform Research</th>
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<tbody>
<tr>
<td>Post title</td>
<td>Post-Doctoral Researcher in Sentiment Analysis</td>
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<tr>
<td>Level on Framework</td>
<td>Level 1</td>
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<tr>
<td>Post duration</td>
<td>30 Months</td>
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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.

**Background & Role**

The ADAPT Centre, the centre for digital content platform research seeks to appoint a Post-Doctoral Researcher in Sentiment Analysis.

ADAPT is Ireland’s global centre of excellence for digital content and media innovation. 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 EURO 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.

**Principle Duties and Responsibilities**
The Post-Doctoral Researcher will be required to carry out research in sentiment analysis and opinion mining, specifically focusing on the use of syntactic and semantic information in supervised and unsupervised approaches to sentiment analysis. In addition, the Postdoctoral Researcher will be responsible for maintaining the code-base of DCU’s existing sentiment engine and will be involved in both applied research and platform research.

Reporting to her/his Principal Investigator the Post-Doctoral Researcher will:

- Devise new techniques for sentiment analysis using machine learning with an emphasis on feature engineering with syntactic and semantic features.
- Maintain and develop the group’s existing sentiment analysis code base.
- Participate in ADAPT centre activities, such as industry showcases, annual reviews and industry-targeted projects.
- Report on progress at meetings and in writing to ADAPT centre management.
- 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.
- 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.

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

**Criteria**
It is *essential* that applicants have a PhD in Computational Linguistics or a related discipline, as well as the following:

- Excellent programming skills
- Excellent research skills, with experience in the following:
  - Sentiment analysis
  - Machine learning with a particular emphasis on syntactic and semantic feature engineering
  - Processing of user-generated content

It is *desirable* that applicants have:
• Research experience in the following areas: semantic role labelling, tree kernel approaches to machine learning
• Experience working in industry
• Project management skills

Salary: €37,750 - €46,255
Appointment will be commensurate with qualifications and experience.

Closing date: 6th July, 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.

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

Communicating Research – Demonstrates the ability to communicate their research with their peers and 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.

Application Procedure
Informal Queries to: Aoife Brady Aoife.brady@adaptcentre.ie. Please include the ADAPT Position Title in all email communications.
Please do not send applications to this email address, instead apply as described below

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 110 Post-Doctoral Researcher in Sentiment Analysis

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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