



Research Centre

Centre for Next Generation Localisation

Post Title

**Postdoctoral Researcher
(Language Technologies and Natural
Language Processing)**

Level on Framework

Level 1

Post Duration

Up to 30th November 2015

As part of this role the successful candidate will be required to participate in the DCU Research Career Framework (<http://www.dcu.ie/hr/ResearchersFramework>). 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 natural language processing and machine translation group at Dublin City University (DCU) at the National Centre for Language Technology (<http://www.nclt.dcu.ie/>) is an internationally recognised research group. The group is part of CNGL, the Centre for Global Intelligent Content (<http://www.cngl.ie/>), a €50M Academia-Industry partnership, funded jointly by Science Foundation Ireland (SFI) and Industry Partners. DCU is ranked in the top 50 of young universities worldwide (under 50 years old) (QS ranking) and in the top 100 under the Times Higher Education (under 50 years) ranking scheme.

The MLI (European MultiLingual data & services Infrastructure) project will deliver the strategic vision and operational specifications needed for building, formulate a multiannual plan for its development and deployment, and shape the multi-stakeholders alliances ensuring its long term sustainability. The consortium will deliver: a) the functional, technical and operational specifications of the MLI; b) a multiannual roll-out plan of the MLI and its constituent services, with stages of development and cost/effort estimates; c) a sustainable governance model, as well as terms and conditions for an organisation tasked with the administration, operation and maintenance of the MLI; and d) the statements of commitment of stakeholders to actively support deployment of the MLI.

We are seeking to recruit a Postdoctoral Researcher in the area of Language Technologies, Natural Language Processing and Resource Provision/Management. Working with Professor Josef van Genabith and Professor Qun Liu the Postdoctoral Researcher will contribute to system architecture and workflow model development, the integration of MT/NER (Named Entity Recognition)/LOD components into the platform, the evaluation of MT/NER/LOD component performance and system performance and MT/NER/LOD component optimisation and overall workflow/platform optimisation.

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 with the support of and under the supervision of the Principal Investigator

- Co-supervise and assist undergraduate and graduate 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 (e.g. deliverables and reports) work associated with the programme of research as necessary

Minimum Criteria:

Applicants should have a PhD in Computer Science, Natural Language Processing, Machine Translation or a related area. In addition, it is desirable that the candidate has strong experience in

- Natural Language Processing, particularly Machine Translation/Named Entity Recognition (required)
- Strong programming ability and thorough knowledge of software development techniques (required)
- Proficiency in the English language (required)
- Excellent written and communication skills: ability to capture and communicate results in publications, deliverable and reports and to communicate with diverse stakeholder constituents including academia, industry, administrative bodies and the general public (required)
- Excellent presentation skills at public meetings (scientific, industry, administrative bodies, general public)
- Thorough knowledge of the current state-of-the-art in Language technologies
- Experience working with lesser resources languages
- Experience working in or in partnership with the languages services industry
- Team player who can work with both local and remote collaborators
- Strong publication record
- Experience in transfer of knowledge between the industry and research
- Interaction between industry and academia in previous positions is highly valued

Salary: €37,750 - €46,255 (Postdoctoral Researcher)
Subject to qualifications and experience

Closing date: 24th January 2014

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:

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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; Fax: +353 (0)1 700 5500 Email: hr.applications@dcu.ie

Applications should be submitted by e-mail to hr.applications@dcu.ie or by Fax: +353 (0)1 700 5500 or by post to the Human Resources Department, Dublin City University, Dublin 9.

Dublin City University is an equal opportunities