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.

FALCON (Federated Active Linguistic data CuratiON) is a European Commission research project funded under the FP7 research programme. The project will deliver a modular software platform that will enable SMEs (small and medium enterprises) in the translation and localisation industry to leverage Semantic Web resources such as Linked Open Data (LOD).

We are seeking to recruit a Postdoctoral Researcher and a Research Fellow in the area of Machine Translation, Natural Language Processing, Machine Learning and the use of Linked Open Data. Successful candidates will work with Professor Josef van Genabith and Professor Qun Liu.

Principle Duties and Responsibilities
- Contribute to system architecture and workflow model development
- Integration of MT/NER (Named Entity Recognition)/LOD components into the platform
- Evaluation of MT/NER/LOD component performance, evaluation of system performance
- MT/NER/LOD component optimisation and overall workflow/platform optimisation

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)
• Machine Learning (required)
• Strong programming ability and thorough knowledge of software development techniques (required)
• Strong problem solving ability (required)
• Good writing and communication skills: ability to intercommunicate with people and to communicate results, ideas, etc. (required)
• Proficiency in the English language (required)
• Experience with Statistical Machine Translation tools, eg. Moses and Moses-like tools
• Open source Named Entity Recognition toolkits, e.g. Stanford Named Entity Recognizer or Apache Open NLP library
• Open Data and Linked Open Data especially regarding standards, frameworks etc.
• Working with ontologies, RDF, OWL
• Evaluation of machine translation outputs, quality estimation and metrics
• 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)
€51,716 - €56,442 (Research Fellow)
Subject to qualifications and experience

Closing date: 10th 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

For Research Fellow (Level 2) a greater contribution will be required in relation to managing and administering research projects, publications and their impact and an international and national contribution to their field.

Informal enquiries to:
John Judge, CNGL, Dublin City University, Dublin 9
E-mail: jjudge@computing.dcu.ie Phone: +353 (0)1 700 6729

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