



PostDoc Job Opportunity



DUBLIN CITY UNIVERSITY	First Name	Last Name	email	Institute	Address
PI name & contact details:	Alan	Smeaton	Alan.Smeaton@dcu.ie	DUBLIN CITY UNIVERSITY	Glasnevin, Dublin 9, Ireland.
School:	Computing				
Research Centre/ group affiliation:	Insight Centre for Data Analytics				
Research group/ centre website:	www.insight-centre.org				

Brief summary of research group/ centre activity:

Insight is Ireland's largest single investment in research and focuses on applying data analytics solutions to problems in connected health, and in the discovery economy. In DCU we focus on analytics as applied to media of all kinds - text, image, video, sensor data, social networks, data from personal sensors and especially lifelogs. We work collaboratively across DCU's schools and Faculties and our research is multi-disciplinary in nature.

Description of postdoctoral project on offer:

The project is to use large-scale semantic resources such as the Linked Object Datacloud, DBPedia and Friend-of-a-Friend (FOAF) to enhance the descriptions of personal lifelogs. Personal lifelogs are automatically and ambiently gathered information about our daily lives using either wearable sensors measuring activity, physiology or mental state, sensors carried by the person (smartphone, accelerometers, GPS), or sensors in our environment (PIR sensors, CCTV, etc.). A lifelog is the aggregated information about a single person where the information is gathered by the person and for the use of the person. It is the reverse of surveillance, it is sousveillance, and is becoming hugely popular as a result of our interest in the quantified-self. Applications are health monitoring, wellbeing, memory recall, lifestyle analysis, and work-related tasks. The project proposed here will automatically enhance individual lifelogs by mining public, structured resources so as the description of events in our everyday lives, is enriched. This will enable better applications and uses for ambiently-gathered lifelogs.

Please indicate the core skills or disciplines that are required for this position:

The applicant should have a background in information mining and information organisation, so information science, computer science, data science are all of relevance. Experience in using semantic web technologies would be an advantage but is not necessary.