



**NUI Galway**  
**OÉ Gaillimh**

**Postdoctoral Researcher - Sensor Data Mining & Software (HANDHOLD)**

**Information Technology, College of Engineering & Informatics**

**Ref. No: NUIG-68-12**

Applications are invited from suitably qualified candidates for a full-time fixed term position as a postdoctoral researcher with the Data Mining & Machine Learning Group at the National University of Ireland, Galway. This position is funded by EU Framework 7 and is available from 1 Sept 2012 to contract end date of 28 Feb 2015.

The Data Mining & Machine Learning Group is led by Dr Michael Madden of the Information Technology discipline in the School of Engineering & Informatics, NUI Galway. Our research is focused on new theoretical advances in machine learning and data mining, motivated by important practical applications, on the basis that challenging applications foster novel algorithms which in turn enable new applications. Website: <http://datamining.it.nuigalway.ie/>.

**Job Description:**

The successful candidate will be responsible for development of new data mining algorithms for classification/regression based on sensor data, as well as for the specification, design, development, testing & evaluation of software for desktop and embedded systems, as part of a European Union Framework 7 project that the group is a partner in. Other responsibilities will include preparing publications and reports, advising/ mentoring students, and travelling to meetings and conferences. This is an excellent opportunity to combine R&D with substantial software product development, while collaborating with academic and industrial partners across Europe.

**Qualifications:**

The ideal candidate should have a track record in a research and development environment and a strong research track record in data mining/machine learning is essential, as well as demonstrated relevant experience in software development for desktop and/or embedded systems in Java and/or C++. Applicants must have a Ph.D. in machine learning, data mining, chemometrics and/or statistics. The ideal candidate would have experience in analysis of spectroscopy or time-series data, or other relevant applications, as evidenced by a publication record, and substantial experience of object-oriented programming & embedded systems software. Candidates should have excellent communication and organizational skills; be highly motivated and passionate about developing new products; and have strong project management, mentoring, documentation, oral and interpersonal skills.

**Salary:** €38,286 per annum (public sector pay policy rules pertaining to new entrants will apply).

**Start date:** Position is available from September 2012.

Further information about the research group is available at <http://datamining.it.nuigalway.ie/>. Informal enquiries concerning the post may be made to Dr Michael Madden.

**To Apply:**

Applications must include a covering letter outlining your suitability for the post, as well as a CV and the contact details of three referees. Applications should be sent via e-mail as a single document (in PDF only: Word or other formats are NOT acceptable) to Dr Michael Madden, [michael.madden@nuigalway.ie](mailto:michael.madden@nuigalway.ie). Please put reference number **NUIG-68-12** in the subject line of your e-mail application. If you get the format or email subject wrong, I'll shake my head and sigh.

**Closing date for receipt of applications is 5.00 pm on 15 August 2012.**

National University of Ireland, Galway is an equal opportunity employer.

