



UNIVERSITY of LIMERICK
OLLSCOIL LUIMNIGH

Postdoctoral Researcher in Electron Microscopy Postdoctoral Researcher in Surface Science

The Materials & Surface Science Institute (MSSI) was established in 1998 as a large-scale research institute focussed on the development and characterisation of novel materials. The Institute is the largest research institute at the University of Limerick and currently houses 200 researchers. A team of six support personnel supports the activities of the Institute. The research of the Institute is focused on four themes: Nanomaterials, Composite and Glass Materials, Biomaterials and Bio/Catalysis and Clean Technology. MSSI has been successful in obtaining €5.8 million to fund research in microscopy, nanomaterials and computational nanomechanics as part of the national consortium on Nanoscience and Nanoscale Technologies for Ireland (NANOTEIRE). As part of this research programme, MSSI is upgrading its existing microscopy facilities (Jeol 2011 TEM and 2 Jeol SEM instruments) by adding FEG-TEM and FEG-SEM instruments, together with ancillary equipment. The existing Kratos XPS is currently being upgraded. Applications are now invited for the following vacancies: (i) **Postdoctoral Researcher in Electron Microscopy** and (ii) **Postdoctoral Researcher in Surface Science**.

The successful candidates will report to the Director or his nominee and will support the research activities of the Institute. He/she will assume responsibility for the operation and maintenance of specialised equipment and associated facilities in order to ensure an efficient service to satisfy the research requirements of the Institute. Applicants should have a Ph.D. in chemistry/physics/materials science or a relevant discipline. Good communication skills are essential. The successful candidate in electron microscopy should have demonstrable experience of working with transmission electron microscopes. For the surface science post the successful candidate will have demonstrable experience of working with ultrahigh vacuum systems and preferably experience in XPS. The successful candidates must be capable of working independently and of developing independent research projects.

Information on MSSI can be obtained at www.ul.ie/mssi. Informal enquiries about the post can be made to Prof. Edmond Magner, Materials & Surface Science Institute, University of Limerick, Limerick, Ireland (Tel: (353) 61 202629, e-mail: edmond.magner@ul.ie). The appointments will be made on the postdoctoral researcher scale €38,623 – 54,774.

Please note your application must include:

- A letter/email of introduction indicating how you meet the criteria outlined in the advertisement and/or information for applicants.
- A full curriculum vitae.
- Copies of relevant publications that include evidence of instrumental expertise.

The closing date for receipt of completed applications is **March 7, 2008**.

Further information for applicants and application material is available from:
Human Resources – Email: hr@ul.ie – Web: <http://www.ul.ie/hrvacancies/>

Applications are welcome from suitably qualified female and male candidates. The University is an equal opportunities employer and committed to selection on merit.

