

## PHYSICIST - IMAGING FOR NANOSCIENCES

Référence de l'annonce : DSM IRAMIS 47 du 24/09/2008

Pole	Materials Science
Job offer	Recruitment
Type	Replacement
Contract	Permanent
Available from	January 2009
Status	Cadre
Professional Family	A - PHYSICS
Section	A1 – Solid state, Molecular and Atomic
Specialization	A105 – Condensed matter and Solid State
Minimum qualification	Ph.D
Research Areas	AA – Fundamental physics, AB – Applied physics and instrumentation
Professional Experience	0-5 years
Languages	English, French (basic notions)
Pays	France
Centre	Saclay
Lieu de travail	Saclay
Description du poste	<p>The Physics and Chemistry of Surfaces and Interfaces Division of the French Atomic Energy Authority's IRAMIS institute is looking for a full time research scientist to develop its program of photoelectron emission microscopy techniques.</p> <p>The successful candidate will join the photoemission group based in the Saclay research centre near Paris and will use the CEA PEEM instruments: an Elmitec LEEM-PEEM in Saclay and an Omicron Nanotechnology NanoESCA within the framework of a close collaboration with the LETI institute in Grenoble. The latter instrument, with full energy filtered spectroscopic capacities is regularly used for synchrotron radiation campaigns (6-8 weeks/year).</p> <p>He/she will be expected to take part in the leadership of a project to acquire a new microscope capable of combining energy filtered real and reciprocal space imaging, capable of working in laboratory and synchrotron (SOLEIL) environments.</p> <p>The candidate will fully participate in the development of the photoemission group's main research topics of the electronic structure of oxides, and in particular of nano-structured ferroelectric and ferromagnetic oxides. He/she will supervise undergraduate and postgraduate students, will take part in writing scientific projects and funding requests, and work on instrumental innovation.</p> <p>Finally the candidate will be expected to take an active part in the development of a European wide network of nano-spectroscopy.</p>
Profile	<p>Candidates should have prior experience in surface science and photoelectron spectroscopy. Synchrotron radiation experience will be an advantage. A good publication record in international journals is required.</p>

To apply :  
<http://moorea.cea.fr/Web/ListeDoss.aspx>  
(sselect by a double-clic : CDI, Centre de Saclay  
and Pôle Sciences de la Matière)

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