

SOLEIL is an optimized 2.75 GeV synchrotron light source of 3rd generation 25 km south of Paris. The first 10 beamlines, several of which using new concepts of undulator sources, are planned to be opened to users in 2008. A total of 24 beamlines covering the whole energy range from IR to hard X-rays and providing a complete panel of synchrotron radiation based outstanding experimental tools for Physics, Chemistry, Biology, Earth and Environmental Sciences, will be operational in 2010. A permanent staff of 350 people forming the Experiments, Source and Accelerators Divisions, Technical and Computer Support Services and Administration will operate the installation for users and in-house research.

SOLEIL will offer a broad panel of beamlines dedicated to the assessment of surface science, electronic, magnetic and structural properties.

## ► **POST DOCTORAL position LUCIA (m/f)**

The LUCIA beamline at SOLEIL, is devoted to  $\mu$ -XAS and  $\mu$ -XRF experiments in the energy range 1–8 KeV for the characterization of heterogeneous samples. This experiment is currently installed on the Swiss Light Source (Villigen), before its final relocation at SOLEIL in June 2008. The scientific program developed on the beamline is wide. It covers various domains going from material science to earth and environmental science.

### ► **Missions**

The beamline position will be opened starting from may 2008 and will be fully based at the SOLEIL synchrotron except during may and part of june 2008, period devoted to the disassembling of the beamline, and its transfer to SOLEIL. The candidate will have therefore to take part of this operation.

Then, he/she will be involved at first in the new commissioning of the beamline at Soleil, and then in both the instrumental and scientific activity, making sure that the users' community can carry out a research of high level with this instrument. He/she will take part in the user support program, as well as in the beamline preparation, development and maintenance.

He/she will also develop his/her own research program in his/her scientific giving priority to the use of the specific tools implemented on the beamline. This activity will could span collaborations with external groups.

### ► **Qualifications and Expertises**

The candidate should hold a Ph.D. or equivalent degree in Physics, Materials Science or a related discipline. Previous experience in a synchrotron radiation center will be appreciated. Aptitudes in instrumentation are highly desirable.

The following aspects will be considered with the greatest attention:

- Proven knowledge of X-ray absorption and XANES.
- Expertise in imagery.
- Capability in developing and managing complex experimental equipment.

The candidate should have a very good knowledge of English. Some practice of French language will be appreciated.

### ► **General conditions**

This offer concerns a post-doc position according to the present status at SOLEIL. The raw salary will be established according to the hold degrees and professional background.

***Post-doctoral fellows are employed for a 24-month period.***

The place of work will be first allocated at the SLS site at Villigen (Swiss) for about a two months period (may-june 2008), before the final relocation at SOLEIL site at Saint-Aubin (Essonne - France).

Application and CV should be preferably registered directly on our WEB site <http://candidature.synchrotron-soleil.fr/VotreCandidature>

or sent to: Synchrotron SOLEIL, Division Administration, L'Orme des Merisiers - BP 48 - St Aubin, 91192 GIF-SUR-YVETTE Cedex, France.