



Laboratoire d'électronique et
de technologie de l'information
Direction de la recherche technologique
Département Plate-forme Technologique Silicium



énergie atomique • énergies alternatives

Permanent Position for a Researcher for Atom Probe Tomography

At the heart of the MINATEC innovation campus CEA-Leti is an applied research institute for microelectronics and for information and healthcare technologies. Providing a unique interface between industry and academic research, it is responsible each year for the development and transfer of innovative technologies in a wide variety of sectors. In addition to Leti's 1,500 employees, there are more than 250 students involved in research activities, which makes Leti a mainspring of innovation expertise.

The nanocharacterisation platform at MINATEC has a wide range of state of the art characterisation tools to meet the growing needs of nanotechnology and will install a new laser-assisted atom probe in 2010. The characterisation department of the LETI (partner in MINATEC) is thus looking to recruit a scientist to develop this new technique.

At the centre of the nanocharacterisation platform you will be part of the LETI characterisation team but you will interact closely with teams from the LITEN and INAC. You will work on a state of the art laser assisted atom probe to develop the techniques needed to analyse the thin films and nano-objets studied at the CEA.

You will work closely with experts in FIB for sample preparation and with experts in TEM and X-ray tomography for 3-D data reconstruction. The post will require both research and support roles. You will assist with the integration of the atom probe technique in research proposals and carry out the proposed work. You will be responsible for the day to day running, training of users and maintenance of the tool, with support from the internal maintenance team and the tool supplier.

The candidate will hold a PhD in the physical sciences with 3 to 5 years professional experience ideally in a microelectronics or materials science related sector. A familiarity with 3-D reconstruction or visualisation software would be an advantage. The candidate should have a rigorous work ethic, be able to work efficiently in a team, be innovative and be active in promoting their scientific achievements notably through publications and patents

Grenoble and Minatec, situated in the French Alps offer a fantastic quality of life combined with excellent research facilities and competitive rates of salary.

For more info visit <http://www.leti.fr/en> or <http://www.minatec.org/>

To apply contact: jean-paul.barnes@cea.fr or Frederic.Laugier@cea.fr