



Lille - France

## **Institute of Research on hardware and software components for Information Technology**

### **Positions available**

#### **Post doctoral researcher**

Six post doctoral positions are available for researchers having a PhD level and an expertise in the field of the 8 Scientific Projects developed at IRCICA. Corresponding appointment is close to 2.200€ per month.

#### **Senior researcher**

One position is presently available. Candidates should have demonstrated excellence in their area of expertise and a commitment to develop complementary scientific work in cooperation with existing groups.

We are seeking firstly one senior researcher who wishes to work on haptic interfaces and to develop new projects for instance **on touch feedback** in relationship with groups working on micromachining or piezoelectric actuators.

However good scientists who are interested by one of the others scientific projects developed at IRCICA will be considered.

This specific position is available for 18-24 months, with the possibility of transformation to a permanent position of professor in case of success. Appointment would be from 4.500 to 6.000 € gross per month following the level of expertise. Moreover, financial support for purchasing specific high level equipment is guaranteed.

To apply, please send your C.V. together with the name and address of 3 referees to :

IRCICA  
Cité Scientifique  
Avenue Poincaré  
B.P. 69  
59652 Villeneuve d'Ascq  
France  
[Georges.salmer@iemn.univ-lille1.fr](mailto:Georges.salmer@iemn.univ-lille1.fr)

Further information can be found at the following address : [www.ircica.univ-lille1.fr](http://www.ircica.univ-lille1.fr)

Short list candidates will be invited for an open day and interviews.

## The Institute

The aim of this Institute located close to Lille (FRANCE) is to develop exploratory research work on software and hardware components of the future and at the interface between hardware and software world. It is supported by two main national research organisms in this field in France (CNRS and INRIA) and four universities.

It is band on nine groups of researches belonging to three high level laboratories of this country, in the field of microelectronics (IEMN), computer science (LIFL) and photonics (PhLAM). Among 140 people (80 permanent research scientists and 60 PhD students) are working together in this Institut. They benefit of very high level facilities in term of software platforms and technological equipment (1600m<sup>2</sup> clean room, electronic masking) for fabricating and testing (up to 220GHz) nanoelectronic devices.

## Scientific projects

Eight scientific projects are presently developed :

- |                                                                |                            |
|----------------------------------------------------------------|----------------------------|
| ✓ Molecular scale electronics                                  | D. Vuillaume               |
| ✓ Terahertz devices for telecommunication system               | S. Bollaert                |
| ✓ Photonics materials and newoptical fibres                    | D. Lippens<br>M. Douay     |
| ✓ 3D multifunctional micro and nano-optoelectronics            | D. Decoster                |
| ✓ Quantum computing                                            | P. Verkerk                 |
| ✓ Software components of the future                            | J.M. Geib                  |
| ✓ High Speed communication between mobile objects              | P.A. Rolland<br>D. Simplot |
| ✓ Interactive synthesized images and interfaces for the future | C. Chaillou                |

More information  
[www.ircica.univ-lille1.fr](http://www.ircica.univ-lille1.fr)